



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

September 8, 2011

Mr. Mark Roberts
U.S. Fish & Wildlife Service
Pennsylvania Field Office
315 South Allen Street, Suite 322
State College, PA 16801

SUBJECT: REQUEST FOR LIST OF FEDERAL PROTECTED SPECIES WITHIN THE AREA UNDER EVALUATION FOR THE LIMERICK GENERATING STATION, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION REVIEW (USFWS PROJECT #2011-0365)

Dear Mr. Roberts:

The U.S. Nuclear Regulatory Commission (NRC or the staff) is reviewing an application to renew the operating licenses for Limerick Generating Station, Units 1 and 2 (Limerick). Limerick is located in Limerick Township of Montgomery County, PA, approximately 35 miles upriver from Philadelphia and is operated by Exelon Generation Company, LLC (Exelon). The application for renewal was submitted by Exelon in a letter dated June 22, 2011, pursuant to Title 10 of the *Code of Federal Regulations* Part 54 (10 CFR Part 54).

The NRC has established that, as part of the staff's review of any nuclear power plant license renewal action, a site-specific Supplemental Environmental Impact Statement (SEIS) to its "Generic Environmental Impact Statement for License Renewal of Nuclear Plants," NUREG-1437, will be prepared under the provisions of 10 CFR Part 51, the NRC's regulation that implements the National Environmental Policy Act of 1969 (NEPA). The SEIS includes an analysis of pertinent environmental issues, including endangered or threatened species and impacts to fish and wildlife. This letter is being submitted under the provisions of the Endangered Species Act of 1973, as amended, and the Fish and Wildlife Coordination Act of 1934, as amended.

The Limerick plant site contains a total of 645 acres, including 491 acres in Montgomery County and 154 acres in Chester County. The proposed action includes the use and continued maintenance of existing plant facilities and transmission lines. See Enclosures 1 – 5 for figures of the facilities and transmission lines. Exelon states that it has no plans for refurbishment or replacement activities to support renewal of the operating licenses.

The facilities consist of properties such as the reactor enclosures, turbine enclosures, cooling towers, electrical substations, independent spent fuel storage installation, Schuylkill River Pumphouse, and spray pond. Additional facilities are the cooling tower blowdown discharge line and associated structures, which are submerged immediately downriver from the Schuylkill River Pumphouse.

There are public passageway properties that cut through the Limerick plant site that are excluded from consideration. These include two Consolidated Rail Corporation rights-of-way (ROWS) and the Schuylkill River, including one island in the river channel (Limerick Island).

Borough of Phoenixville (9 miles southeast), the Municipality of Norristown (11 miles southeast), and the City of Philadelphia (21 miles southeast). These centers and the Limerick site are located along the Schuylkill River. The river flows southeast to its union with the Delaware River.

The site is described in the LRA as:

...gently rolling countryside, traversed by numerous valleys containing small creeks or streams that empty into the Schuylkill River. Two parallel streams, Possum Hollow Run and Brooke Evans Creek, cut through the LGS [Limerick] plant site, running southwest into the Schuylkill River. Just upstream and to the north of the LGS plant site, Sanatoga Creek flows into the Schuylkill River. Further upstream and to the northwest of the LGS plant site, Sprogels Run flows into the Schuylkill River.

The Limerick water systems that interface with the environment include the cooling water system and the groundwater supply system. The cooling water system for the plant is a closed system consisting of the makeup water supply system, which is common to both units; the circulating water systems for each unit; and the cooling tower blowdown system, also common to both units. The groundwater supply system includes two wells that are used at the main plant site, one for supplying domestic water and the other serving as a backup supply of fire emergency water.

The Limerick makeup water supply system is used to supply additional water to the circulating water system and other water systems when needed. The makeup water supply system draws water from the Schuylkill River through the Schuylkill Pumphouse as its primary source of water. During periods of low river flow (between April and November), Limerick uses the Perkiomen Creek to make up consumptive water use. Exelon's use of makeup water is subject to conditions and limitations established by the Delaware River Basin Commission. Most of the makeup water needed by the plant (about 75 percent) is to replace water lost due to cooling towers evaporation. The remainder is non-consumptive blowdown to keep the circulating system chemistry at appropriate levels, and is returned to the Schuylkill River.

The circulating water system functions to supply cooling water to remove waste heat from the the turbines of the Limerick units and dissipate it to the environment. The circulating water system for each unit consists of one cooling tower, three main condensers, and four circulating water pumps.

The Limerick transmission system is comprised of the transmission lines and associated structures from the three main power transformers of Limerick, Unit 1, to the Limerick 230-kV Substation, and the three main power transformers of Limerick, Unit 2, to the Limerick 500-kV Substation; both substations are located on the plant site. The system also includes the substations, transmission lines, and associated structures to connect Limerick to the regional electricity grid, including:

- two 230-kV lines, designated 220-60 and 220-61, connecting the Limerick 230-kV Substation to the Cromby Substation located at Exelon Generation's Cromby Generating Station;

- two 230-kV lines, designated 220-60 and 220-61, connecting the Limerick 230-kV Substation to the Cromby Substation located at Exelon Generation's Cromby Generating Station;
- one 230-kV line, designated 220-62, connecting the Cromby Substation to the North Wales Substation and the regional electricity grid;
- one 230-kV line connecting the Cromby Substation to the Plymouth Meeting Substation and the regional electricity grid, consisting of:
 - One segment, designated 220-63, connecting the Cromby Substation to the Barbadoes Substation; and
 - One segment, designated 220-64, connecting the Barbadoes Substation to the Plymouth Meeting Substation; and
- one 500-kV line, designated 5031, connecting the Limerick 500-kV Substation to the Whitpain Substation and the regional electricity grid.

Additionally, the transmission system includes the ROWs for the transmission lines. These ROWs were either pre-existing at the time Limerick was built (i.e., the lines are being shared with other linear features that were already in place) or were added in conjunction with construction. The system is basically the same as originally constructed. See Enclosure 5 for an overview of the transmission line ROW routes, which traverse Montgomery County and Chester County.

The four offsite 230-kV lines exclusively serve Limerick, Unit 1, and the one offsite 500-kV line exclusively serves Limerick Unit 2. Exelon states in the LRA, "[e]ven though these lines were constructed solely to serve the Limerick units, it is anticipated that some or all of these lines would continue to be used for transmitting electricity produced by other generating sources even if the Limerick operating licenses are not renewed."

PECO, the energy delivery subsidiary of Exelon Corporation serving retail customers in southeastern Pennsylvania, owns in fee the offsite substations and a portion of the transmission line ROWs associated with the transmission system. A significant portion of the transmission system is located over or under highways, streets, other public places or property owned by others, for which PECO has permits, grants, easements, or licenses.

To support the SEIS preparation process and to ensure compliance with Section 7 of the Endangered Species Act, the NRC requests information on federally-listed, proposed, and candidate species and critical habitat that may be in the vicinity of Limerick and its associated transmission line ROWs. The applicant corresponded with your office by letter dated January 19, 2011. You replied by letter dated March 22, 2011, (USFWS Project #2011-0365) that the project is not likely to adversely affect the federally listed bog turtle. To avoid duplication of effort, you may confirm the information provided to Exelon from your office is still current. If any information is not current, please provide any applicable updates. Both the January 2011 letter from Exelon and the March 2011 letter from the U.S. Fish and Wildlife service are enclosed for your reference (enclosures 6 and 7). In addition, please provide any information you consider appropriate under the provisions of the Fish and Wildlife Coordination Act.

M. Roberts

- 4 -

The NRC staff plans to hold two public license renewal overview and environmental scoping meetings on September 22, 2011, in the area of Limerick. The first session will be held in the afternoon and an identical session will be held later that evening. Both sessions will be held at the Sunnybrook Ballroom, 50 Sunnybrook Road, Pottstown, PA 19464. The afternoon session will be from 2:00 p.m. until 4:00 p.m. and the evening session will be from 7:00 p.m. until 9:00 p.m. In addition, the NRC plans to hold a one hour Open House prior to each meeting to answer public questions. You and your staff are invited to attend the public meetings and Open House. Your office will receive a copy of the draft SEIS along with a request for comments. The anticipated publication date for the draft SEIS is August 2012.

The Limerick license renewal application is available on the internet at <http://www.nrc.gov/reactors/operating/licensing/renewal/applications/limerick.html>. If you have any questions or require additional information, please contact Mrs. Lisa Regner, License Renewal Project Manager, by phone at 301-415-1906 or by email at Lisa.Regner@nrc.gov.

Sincerely,

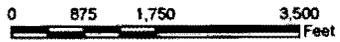
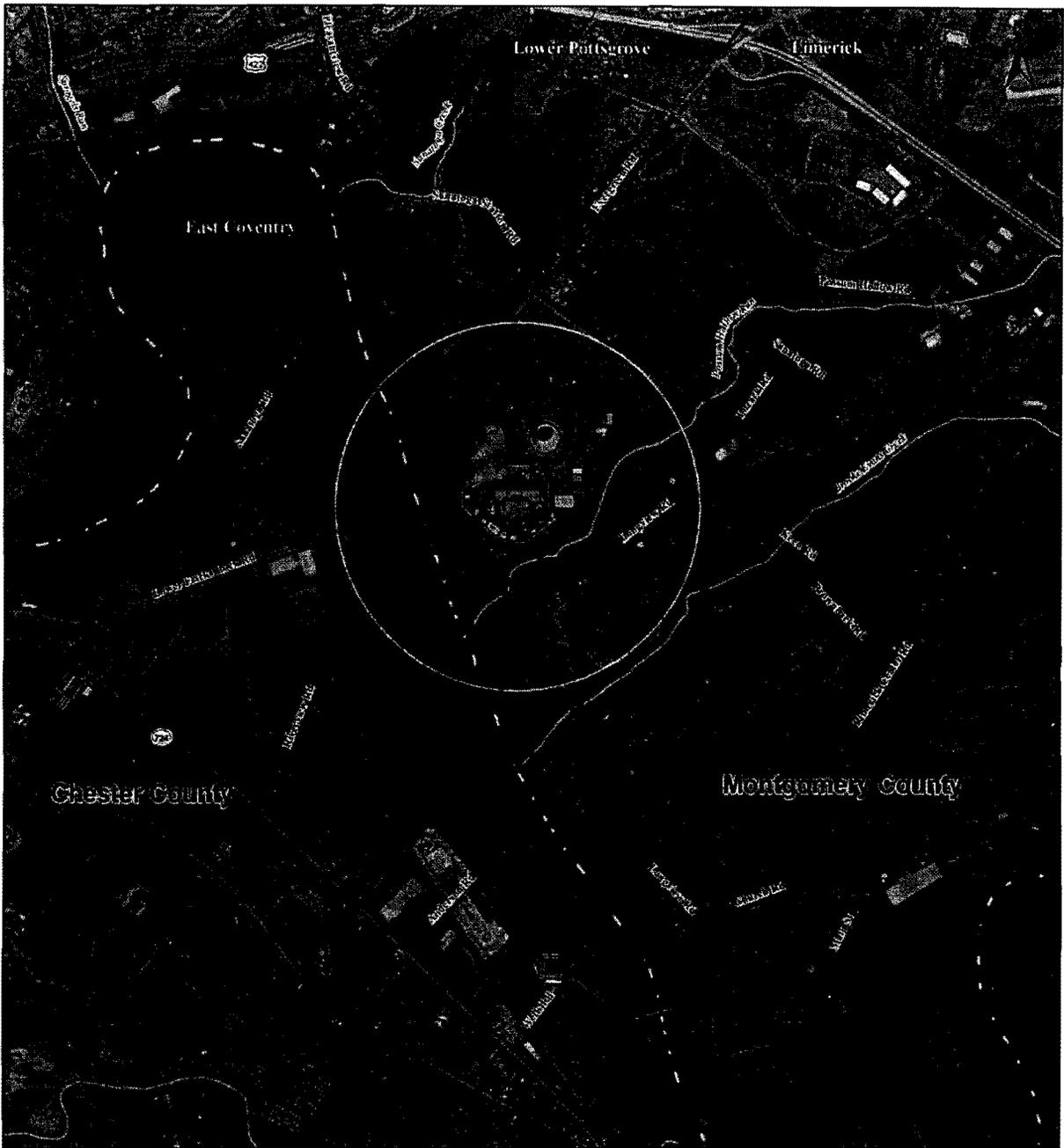
A handwritten signature in black ink, appearing to read "D.J. Wrona", with a stylized flourish extending to the right.

David J. Wrona, Chief
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-352 and 50-353

Enclosures:
As stated

cc w/encls: Listserv



Exelon.

Reference:
 DVRPC 2005 Aerial Imagery
 ESRI 2009 Streets and Roads

NAD 1983 State Plane Pennsylvania South
 Projection: Lambert Conformal Conic
 Linear Unit: Foot US

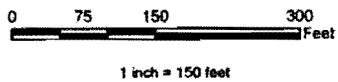
Total Exelon Generation-owned property
 945 acres



Legend

- Exelon Generation Property Boundary
- County Boundary
- Municipal Boundary
- 2500 Ft Radius Exclusion Area
- Conrail Line

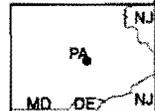
Figure 2.1-1 LGS Plant Site Boundary
Exelon Generation
Limerick Generating Station
 Limerick Township, Montgomery County, PA



Exelon.

Reference:
 Bing Maps Aerial Imagery
 ESRI 2008 Streets and Roads

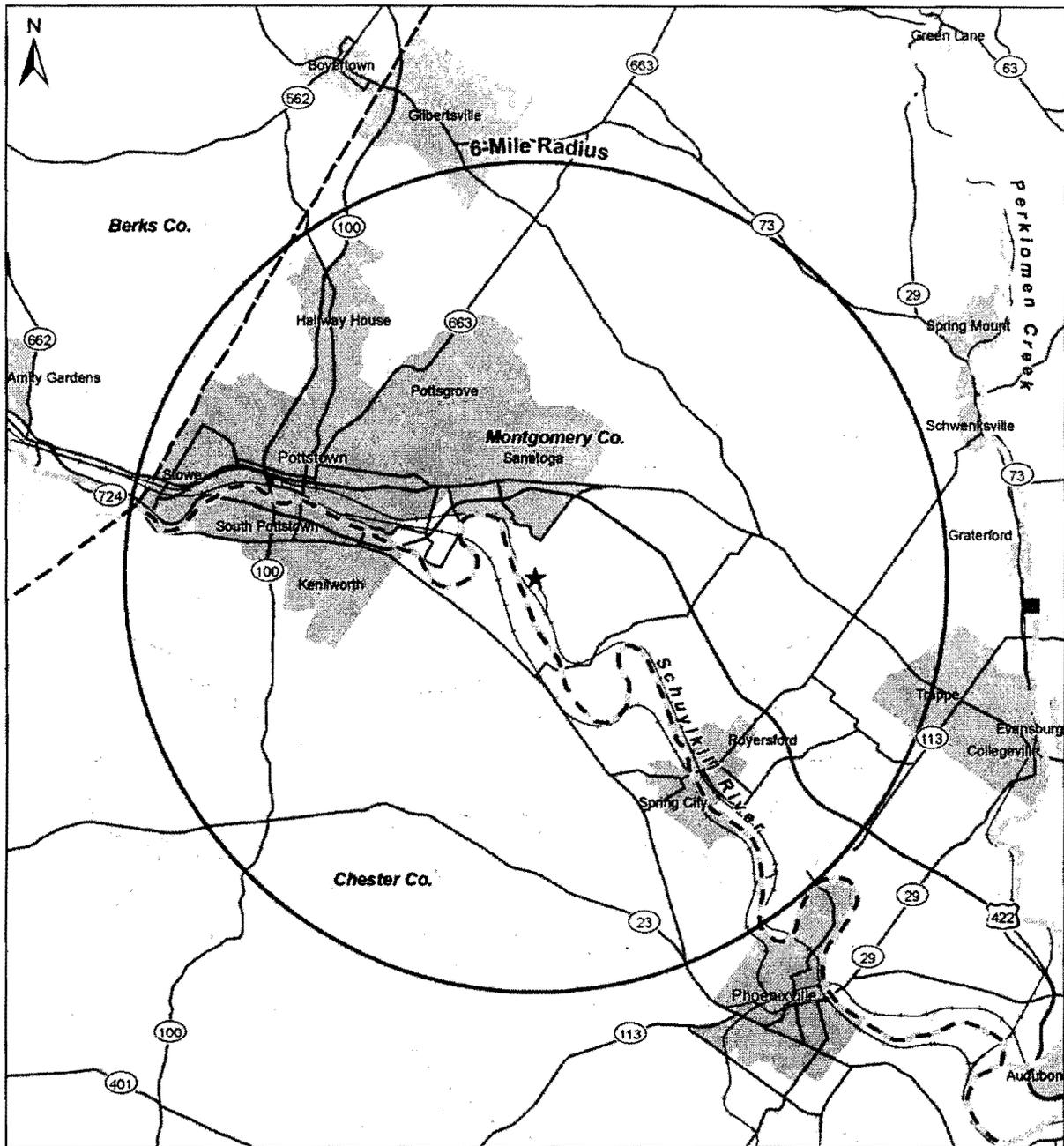
NAD 1983 State Plane Pennsylvania South
 Projection: Lambert Conformal Conic
 Linear Unit: Foot US



Legend

- Cooling Tower Blowdown Line
- Diffuser Pipe
- ▭ County Boundary

**Figure 3.1-4 Cooling Tower Blowdown
 Diffuser Location
 Exelon Generation
 Limerick Generating Station
 Limerick Township, Montgomery County, PA**



0 1 2 4 Miles

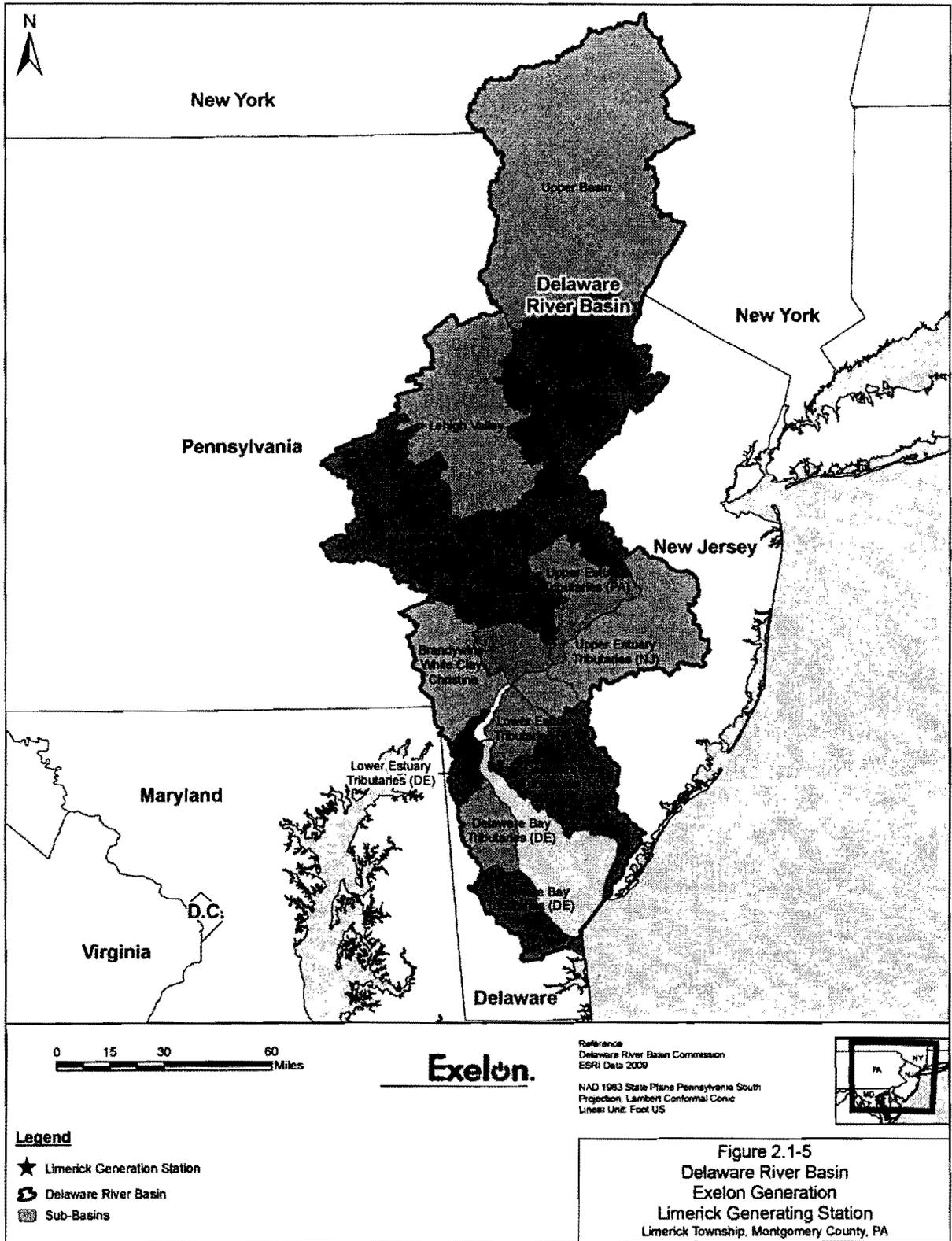
Exelon.

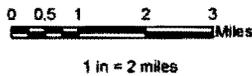
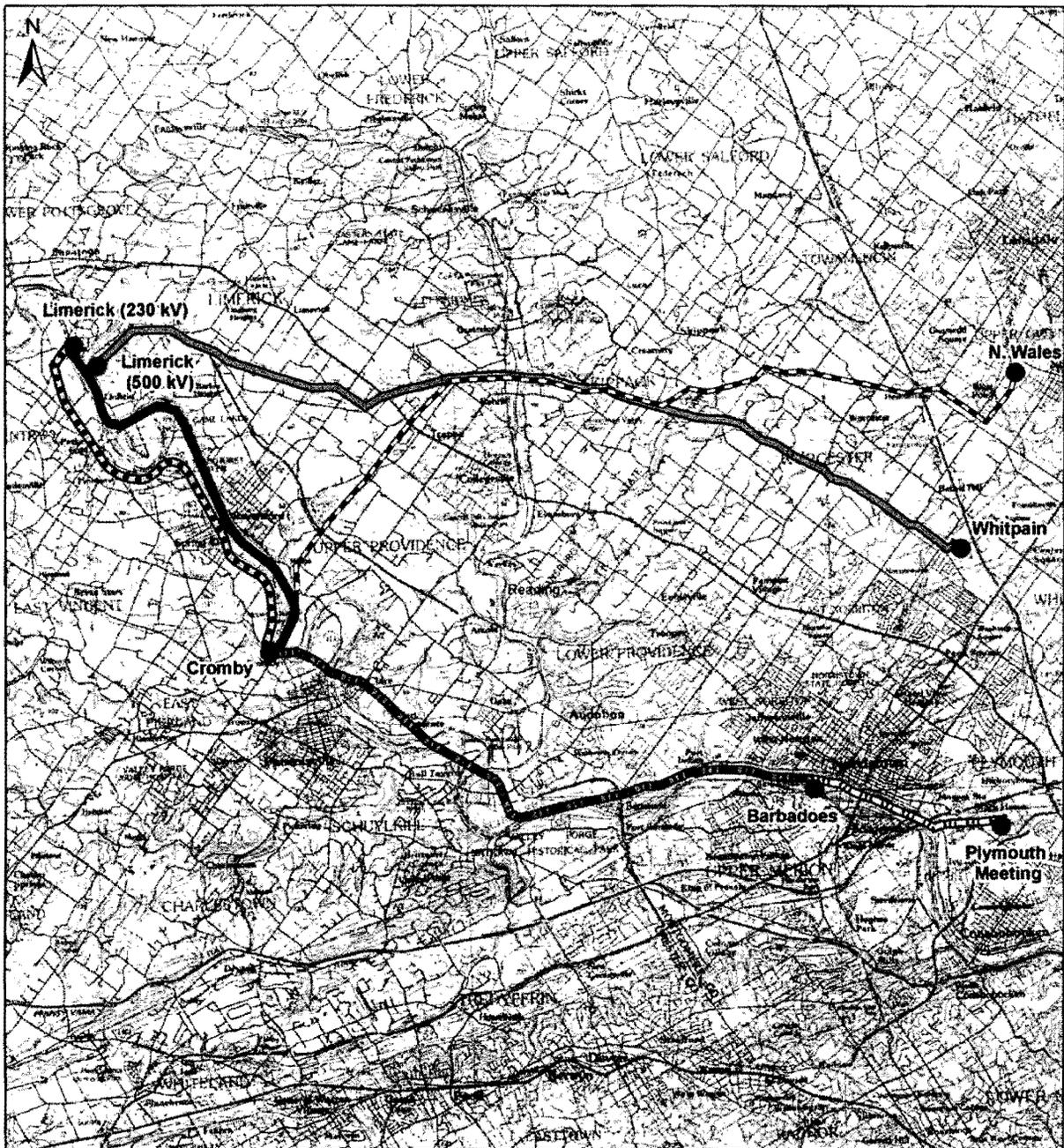
Reference:
ESRI 2009 Streets and Roads
NAD 1983 State Plane Pennsylvania South
Projection: Lambert Conformal Conic
Linear Unit: Foot US

Legend

★ Limerick Generation Station	(422) State Route
■ Perkiomen Pumphouse	(422) U.S. Highway
○ 6-Mile Radius	
- - - County Boundary	

Figure 2.1-3 6-Mile Vicinity Map
Exelon Generation
Limerick Generating Station
 Limerick Township, Montgomery County, PA

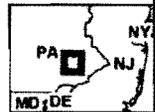




Exelon.

Reference
Reading (1964) & Trenton (1990)
100K Scale Topo Maps

NAD 1983 State Plane Pennsylvania South
Projection: Lambert Conformal Conic
Linear Unit: Foot US



Legend

- Substation
- 230 kV Voltage
- ~ Limerick-Cromby 220-60 Line
- ~ Limerick-Cromby 220-61 Line
- ~ Cromby-N Wales 220-62 Line
- ~ Cromby-Barbadoes 220-63
- ~ Barbadoes-PlymMeeting 220-64
- 600 kV Voltage
- ~ Limerick-Whitpain 5031 Line

Figure 2.1-6 LGS Transmission Line Route Map
Exelon Generation
Limerick Generating Station

Montgomery & Chester Counties, PA

Michael P. Gallagher, PE
Vice President
License Renewal Projects

Telephone 610.765.5958
www.exeloncorp.com
michaelp.gallagher@exeloncorp.com

Exelon Nuclear
200 Exelon Way
KSA/2-E
Kennett Square, PA 19348

January 19, 2011

Mr. David Densmore
U.S. Fish and Wildlife Service
Pennsylvania Field Office
315 South Allen St., Suite 322
State College, PA 16801

Re: Renewal of Operating Licenses for Limerick Generating Station, Units 1 and 2
Request for Information on Listed Threatened and Endangered Species

Dear Mr. Densmore:

In mid-2011, Exelon Generation Company, LLC (Exelon Generation; a subsidiary of Exelon Corporation) plans to apply to the U.S. Nuclear Regulatory Commission (NRC) for renewal of the operating licenses for Limerick Generating Station, Units 1 and 2 (LGS). The existing license for Unit 1 will expire on October 26, 2024 and the existing license for Unit 2 will expire on June 22, 2029. The renewal term for each unit would be an additional twenty years beyond the existing license expiration date.

The NRC requires that license renewal applications include environmental reports assessing potential environmental impacts from license renewal activities. One such impact would be effects of license renewal activities on threatened and endangered species that are listed or proposed for listing in accordance with the Endangered Species Act (ESA) (16 USC 1531, et seq.) (10 CFR 51.53(c)(3)(ii)(E)). Accordingly, we are contacting you to obtain input for use in addressing these effects in the LGS license renewal environmental report. Later, NRC may also request an informal consultation with your office under Section 7 of the ESA (16 USC 1536(a)).

Project Features

LGS existing features that are relevant to the effects of license renewal on threatened and endangered species include the following:

1. The LGS plant site, which hosts the two generating units, is located on Exelon Generation-owned properties that are mostly situated in Limerick Township, Montgomery County, but some of which are in the adjacent Lower Pottsgrove Township, Montgomery County or directly across the Schuylkill River in East Coventry Township, Chester County.

2. The LGS makeup water supply system, which conveys water from approved sources to LGS for use in its circulating water system, is composed of the following components:
 - The Perkiomen Pumphouse, located in Graterford Township, Montgomery County, and an associated underground 7.6-mile long Perkiomen Pumphouse-to-LGS pipeline; both are located along an easement held by Exelon Generation within an electrical transmission line right-of-way (ROW) controlled by PECO, a subsidiary of Exelon Corporation;
 - The Bradshaw Reservoir and Bradshaw Pumphouse, which are both situated in Plumstead Township, Bucks County, on Exelon Generation-owned properties totaling 42 acres;
 - The Bedminster Water Processing (Treatment) Facility, which is situated in Bedminster Township, Bucks County, on a 3-acre Exelon Generation-owned property; and
 - An underground water transmission main, which is routed within a natural gas pipeline ROW along an easement held by Exelon Generation that runs from the Bradshaw Pumphouse to the East Branch Perkiomen Creek by way of the Bedminster Facility.

The buried Perkiomen Pumphouse-to-LGS water pipeline and the underground water transmission main are located below ground within ROWs that exist for other purposes, and their operation requires no independent vegetation management or ground disturbing activities along these ROWs. Hence, these underground components of the makeup water supply system are assumed to have no effects on threatened and endangered plant species.

3. The LGS transmission system is composed of the following components:
 - Two electrical transmission lines constructed to connect the LGS main power transformers with two onsite electrical substations (these components are located on the LGS plant site); and
 - Four 230-kiloVolt (kV) and one 500-kV electrical transmission lines, with associated structures and offsite electrical substations, constructed to connect the onsite electrical substations to the regional electricity grid.

All offsite substations and transmission lines are operated by PECO and are located in ROWs situated in Montgomery and Chester Counties either on PECO-owned properties or on properties for which PECO holds permits, grants, easements, or licenses. Onsite transmission lines traverse only land disturbed during initial station construction.

Figures 1 through 9 showing the locations of the existing LGS project features are provided in Attachment 3.

Activities During the License Renewal Terms

LGS license renewal will involve no new construction, refurbishment, ground disturbing activities, changes to operations, or changes to existing land-use conditions. Operation and maintenance activities during the terms of the renewed LGS licenses are only expected to occur in previously disturbed areas or existing ROWs. Hence, no new adverse impacts to threatened and endangered species are anticipated from license renewal.

Identification of Threatened and Endangered Species Resources

Using the Pennsylvania Natural Diversity Inventory (PNDI), Environmental Review Tool, a web-based application sponsored by the Pennsylvania Natural Heritage Program (PNHP), Exelon generation has reviewed the potential for the LGS plant site area and the properties associated with the LGS makeup water supply system to adversely affect known occurrences of species or natural communities of concern. Receipts for PNDI search #s 20100421240174 (LGS plant site), 20100421240163 (Perkiomen Pumphouse area), 20100406237563 (Bradshaw Reservoir and Pumphouse area), and 20100407237630 (Bedminster Water Processing Facility area) are attached (Attachment 1). The receipts indicate that no impacts to federally listed or proposed species and/or special concern species or resources within the jurisdiction of the U.S. Fish and Wildlife Service (USFWS) will occur at the four project areas.

Given the sizable acreage and distances associated with the LGS transmission line corridors, no PNDI searches were conducted for this project component. For review by your office in identifying species of concern, we instead offer the figures in Attachment 3 showing the routes and widths of the corridors.

A review of the PNHP web site for state-listed endangered and threatened species indicates that several state-listed species could occur in Montgomery, Chester, and Bucks Counties and that these are also federally-listed or proposed species. Attachment 2 contains a list of these species. Exelon Generation is not aware that these have ever been observed on or near the properties associated with LGS or its associated transmission lines. Also, Exelon Generation and PECO adhere to regulatory requirements regarding sensitive areas that could contain listed threatened and endangered species and work closely with your office to protect these resources.

Because license renewal involves no new construction, refurbishment, ground disturbing activities, changes to operation, or changes to existing land use conditions, Exelon Generation does not expect LGS license renewal to adversely affect federally threatened and endangered species located near the LGS plant site, makeup water supply system, or transmission system ROWs. Nevertheless, we are requesting your help to identify issues we may have overlooked that need to be addressed in the LGS license renewal environmental report. We are also interested in learning of any information your staff believes could help expedite the NRC's review of the LGS license renewal application. Hence, in closing, we would appreciate receiving a response from you detailing such issues and information for the LGS plant site, makeup water supply system and transmission system. We would also welcome your confirmation of our conclusion that LGS license renewal would not adversely affect threatened and endangered species.

Because we plan to incorporate a copy of your response, as well as this letter, into the LGS license renewal environmental report that will be submitted to the NRC as part of the LGS license renewal application, your response will be most helpful if we receive it by March 10, 2011.

Please call Nancy Ranek (610-765-5369), our License Renewal Environmental Lead, if there are questions or you require additional information.

Sincerely,

A handwritten signature in black ink that reads "Michael P. Gallagher". The signature is written in a cursive style with a large, prominent "M" and "G".

Michael P. Gallagher

Enclosures:

- Attachment 1: Receipts for PNDI Search #s 20100421240174, 20100421240163, 20100406237563, and 20100407237630
- Attachment 2: Threatened and Endangered Species that could occur in Montgomery, Chester, and Bucks Counties that are both State Listed and Federally Listed
- Attachment 3: Figures Depicting LGS Project Features (Figures 1 to 9)

ATTACHMENT 1

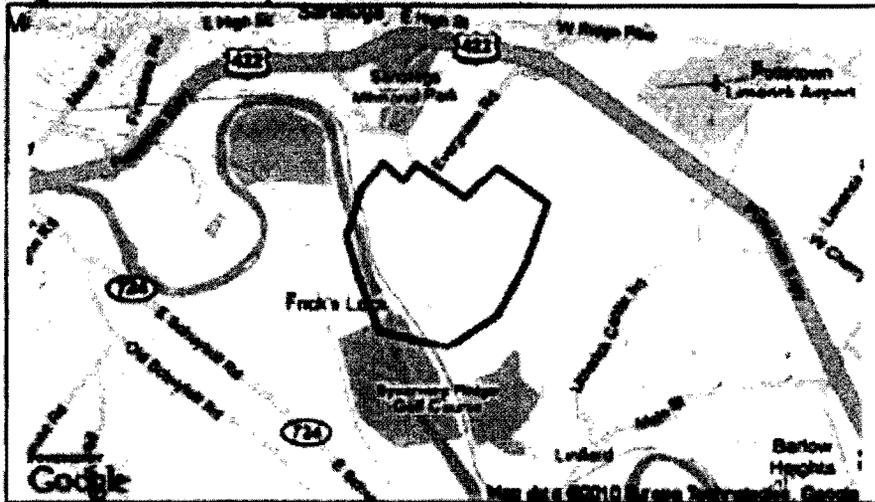
Receipts for PNDI Searchs

<u>Receipt for PNDI Search # 20100421240174, Limerick GS</u>	<u>2</u>
<u>Receipt for PNDI Search # 20100421240163, Perkiomen Pumphouse</u>	<u>7</u>
<u>Receipt for PNDI Search # 20100406237563, Bradshaw pump</u>	<u>11</u>
<u>Receipt for PNDI Search # 20100407237630, Bedminster WPF</u>	<u>16</u>

PNDI Project Environmental Review Receipt Project Search ID: 20100421240174

1. PROJECT INFORMATION

Project Name: Limerick GS
 Date of review: 4/21/2010 4:33:48 PM
 Project Category: Energy Storage, Production, and Transfer, Energy Production (generation), Nuclear Power Plant – maintenance, modification, or expansion
 Project Area: 483.8 acres
 County: Chester, Montgomery Township/Municipality: East Coventry, Limerick, Lower Pottsgrove
 Quadrangle Name: PHOENIXVILLE - ZIP Code: 19465, 19464
 Decimal Degrees: 40.224106 N, -75.580556 W
 Degrees M



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Fish and Boat Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

PNDI Project Environmental Review Receipt Project Search ID: 20100421240174

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

RESPONSE TO QUESTION(S) ASKED

Q1: "Will the entire project (including any discharge) occur in or on an existing building, parking lot, driveway, road, road shoulder, street, runway, paved area, railroad bed, maintained (periodically mown) lawn, crop agriculture field or maintained orchard?"

Your answer is: 3. Unknown

Q2: Accurately describe what is known about wetland presence in the project area or on the land parcel. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.) as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected – either directly or indirectly – by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur .

Your answer is: 2. The project area (or land parcel) has not been investigated by someone qualified to identify and delineate wetlands, or it is currently unknown if the project or project activities will affect wetlands.

Q3: Aquatic habitat (stream, river, lake, pond, etc.) is located on or adjacent to the subject property and project activities (including discharge) may occur within 300 feet of these habitats

Your answer is: 1. Yes

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are valid for one year (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt.

PA Game Commission

RESPONSE: No impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

PNDI Project Environmental Review Receipt

Project Search ID: 20100421240174

DCNR Species:

Scientific Name: *Rotala ramosior*
Common Name: Tooth cup
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

PA Fish and Boat Commission

PFBC Species:

Scientific Name: Sensitive Species**
Common Name:
Current Status: Threatened
Proposed Status: Special Concern Species*

Scientific Name: *Stygobromus pizzinii*
Common Name: Pizzini's Cave Amphipod
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

U.S. Fish and Wildlife Service

RESPONSE: No impacts to federally listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, send the following information to the agency(s) seeking this information (see AGENCY CONTACT INFORMATION).

PNDI Project Environmental Review Receipt Project Search ID: 20100421240174

Check-list of Minimum Materials to be submitted:

- ___ SIGNED copy of this Project Environmental Review Receipt
- ___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.
- ___ Project location information (name of USGS Quadrangle, Township/Municipality, and County)
- ___ USGS 7.5-minute Quadrangle with project boundary clearly indicated, and quad name on the map

The inclusion of the following information may expedite the review process.

- ___ A basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)
- ___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)
- ___ information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist). If wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams
- ___ The DEP permit(s) required for this project

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt, a completed PNDI form and a USGS 7.5 minute quadrangle map with the project boundaries delineated on the map. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.

PNDI Project Environmental Review Receipt Project Search ID: 20100421240174

5. ADDITIONAL INFORMATION

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For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552, Harrisburg, PA
17105-8552
Fax: (717) 772-0271

U.S. Fish and Wildlife Service
Endangered Species Section
315 South Allen Street, Suite 322, State College, PA
16801-4851
NO Faxes Please.

PA Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane, Bellefonte, PA. 16823-7437
NO Faxes Please

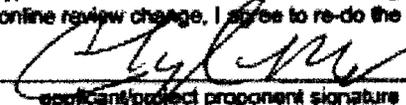
PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA. 17110-9797
Fax: (717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: Cheyl Marks, Ecologist
Company/Business Name: URS Corporation
Address: 355 Commerce Dr, Suite 300
City, State, Zip: Ft. Washington, PA 19034
Phone: (215) 367-2598 Fax: (215) 367-1000
Email: Cheyl.marks@urscorp.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

 4/2/10
applicant/project proponent signature Date

PNDI Project Environmental Review Receipt

Project Search ID: 20100421240163

1. PROJECT INFORMATION

Project Name: **Perkiomen Pumphouse**

Date of review: **4/21/2010 4:16:12 PM**

Project Category: **Energy Storage, Production, and Transfer, Energy Production (generation), Nuclear Power Plant – maintenance, modification, or expansion**

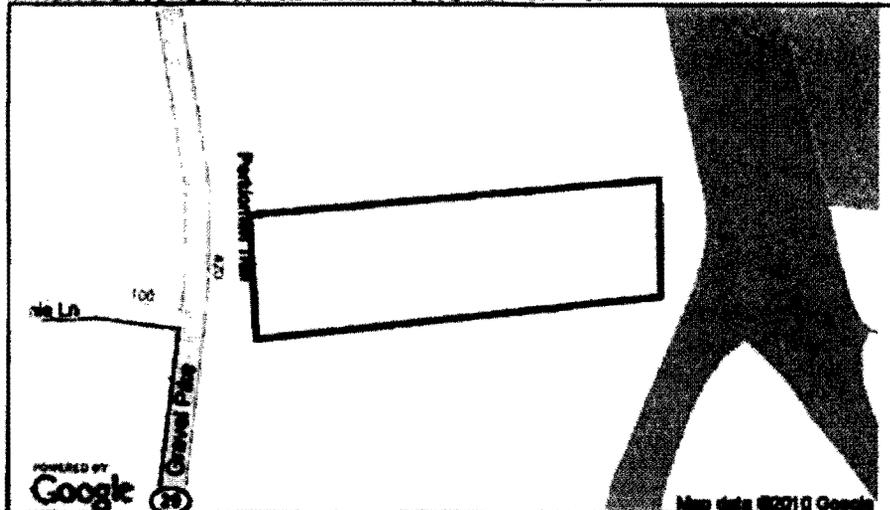
Project Area: **3.5 acres**

County: **Montgomery Township/Municipality: Perkiomen**

Quadrangle Name: **COLLEGEVILLE ~ ZIP Code: 19426**

Decimal Degrees: **40.215611 N, -75.451022 W**

Degrees Minutes Seconds: **40° 12' 56.2" N, -75° 27' 3.7" W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

PNDI Project Environmental Review Receipt Project Search ID: 20100421240163

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are valid for one year (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt.

PA Game Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE: No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE: No impacts to federally listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application

Mr. David Densmore
Attachment 1
January 19, 2011
Page 9 of 19

PNDI Project Environmental Review Receipt Project Search ID: 20100421240163

should be submitted to DEP along with the PNDI receipt, a completed PNDI form and a USGS 7.5 minute quadrangle map with the project boundaries delineated on the map. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.

PNDI Project Environmental Review Receipt Project Search ID: 20100421240163

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8562, Harrisburg, PA. 17105-8552
Fax: (717) 772-0271

U.S. Fish and Wildlife Service
Endangered Species Section
315 South Allen Street, Suite 322, State College, PA. 16801-4861
NO Faxes Please.

PA Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane, Bellefonte, PA. 16823-7437
NO Faxes Please

PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA. 17110-9797
Fax: (717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: Cheryl Marks, Ecologist
Company/Business Name: URS Corporation
Address: 335 Commerce Dr Suite 300
City, State, Zip: Ft. Washington PA 19034
Phone: (215) 367-2598 Fax: (215) 367-1000
Email: cheryl_marks@urscorp.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

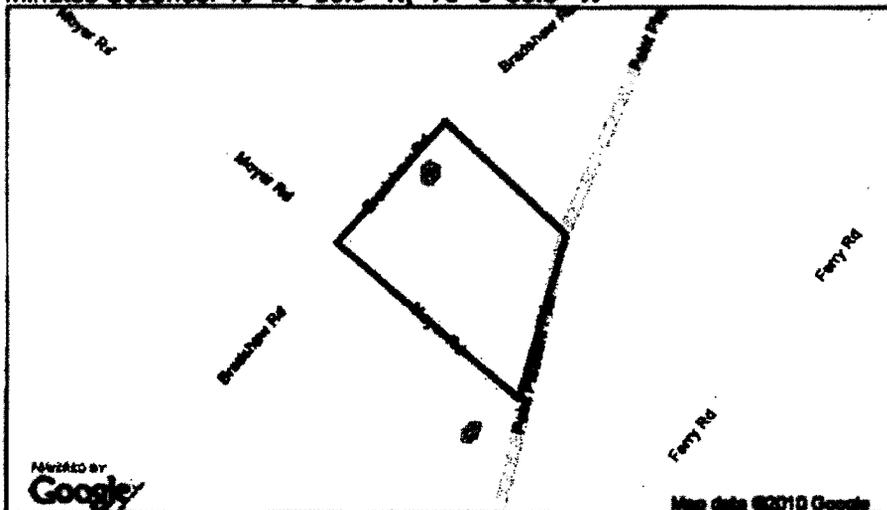
[Signature] 4/21/10
applicant/project proponent signature date

PNDI Project Environmental Review Receipt

Project Search ID: 20100406237563

1. PROJECT INFORMATION

Project Name: Bradshaw_pump
 Date of review: 4/6/2010 3:53:37 PM
 Project Category: Energy Storage, Production, and Transfer, Energy Production (generation), Nuclear Power Plant – maintenance, modification, or expansion
 Project Area: 36.5 acres
 County: Bucks Township/Municipality: Plumstead
 Quadrangle Name: LUMBERVILLE ~ ZIP Code: 18947, 18901
 Decimal Degrees: 40.397483 N, -75.093140 W
 Degrees Minutes Seconds: 40° 23' 50.9" N, -75° 5' 35.3" W



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

PNDI Project Environmental Review Receipt Project Search ID: 20100406237563

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

RESPONSE TO QUESTION(S) ASKED

Q1: Accurately describe what is known about wetland presence in the project area or on the land parcel. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected – either directly or indirectly – by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur.

Your answer is: **2. The project area (or land parcel) has not been investigated by someone qualified to identify and delineate wetlands, or it is currently unknown if the project or project activities will affect wetlands.**

Q2: Aquatic habitat (stream, river, lake, pond, etc.) is located on or adjacent to the subject property and project activities (including discharge) may occur within 300 feet of these habitats

Your answer is: **3. Unknown**

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are valid for one year (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt.

PA Game Commission

RESPONSE: No impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: No impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

PNDI Project Environmental Review Receipt Project Search ID: 20100406237563

PFBC Species:

Scientific Name: Sensitive Species**

Common Name:

Current Status: Threatened

Proposed Status: Special Concern Species*

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

U.S. Fish and Wildlife Service

RESPONSE: No impacts to ~~federally~~ listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, send the following information to the agency(s) seeking this information (see AGENCY CONTACT INFORMATION).

Check-list of Minimum Materials to be submitted:

- ___ SIGNED copy of this Project Environmental Review Receipt
- ___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.
- ___ Project location information (name of USGS Quadrangle, Township/Municipality, and County)
- ___ USGS 7.5-minute Quadrangle with project boundary clearly indicated, and quad name on the map

The inclusion of the following information may expedite the review process.

- ___ A basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)
- ___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)
- ___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams
- ___ The DEP permit(s) required for this project

PNDI Project Environmental Review Receipt

Project Search ID: 20100406237563

4. DEP INFORMATION

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PNDI Project Environmental Review Receipt Project Search ID: 20100406237563

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6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552, Harrisburg, PA.
17105-8552
Fax:(717) 772-0271

U.S. Fish and Wildlife Service
Endangered Species Section
315 South Allen Street, Suite 322, State College, PA.
16801-4851
NO Faxes Please.

PA Fish and Boat Commission
Division of Environmental Services
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NO Faxes Please

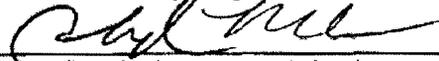
PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerston Avenue, Harrisburg, PA. 17110-9797
Fax:(717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: Cheryl Marks, Ecologist
Company/Business Name: URS Corporation
Address: 335 Commerce Dr Suite 300
City, State, Zip: Ft. Washington, PA 19034
Phone: (215) 367-2598 Fax: (215) 367-1000
Email: Cheryl.marks@urscorp.com

8. CERTIFICATION

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 4/21/10
applicant/project proponent signature date

PNDI Project Environmental Review Receipt

Project Search ID: 20100407237630

1. PROJECT INFORMATION

Project Name: **Bedminster_WPF**

Date of review: **4/7/2010 10:02:31 AM**

Project Category: **Energy Storage, Production, and Transfer, Energy Production (generation), Nuclear Power Plant – maintenance, modification, or expansion**

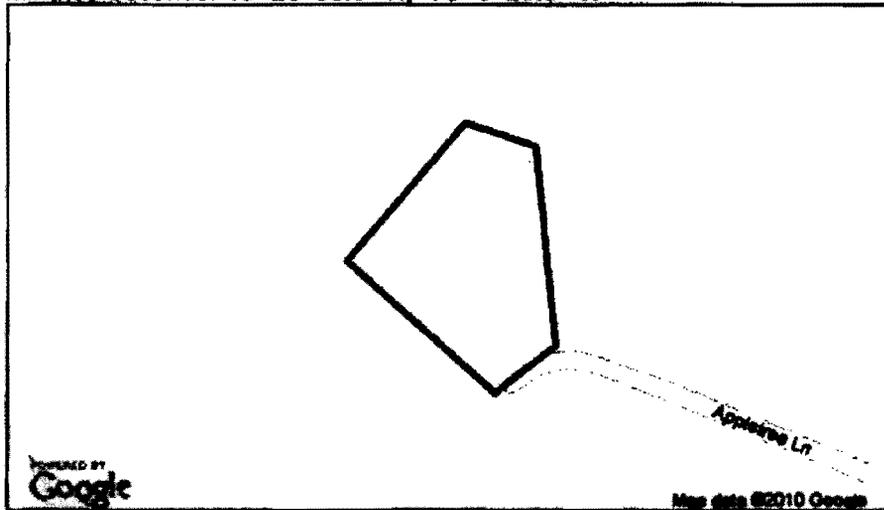
Project Area: **2.4 acres**

County: **Bucks Township/Municipality: Bedminster**

Quadrangle Name: **BEDMINSTER ~ ZIP Code: 18947**

Decimal Degrees: **40.399023 N, -75.158205 W**

Degrees Minutes Seconds: **40° 23' 56.5" N, -75° 9' 29.5" W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

PNDI Project Environmental Review Receipt Project Search ID: 20100407237630

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are valid for one year (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt.

PA Game Commission

RESPONSE: No impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: No impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE: No impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE: No impacts to federally listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

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PNDI Project Environmental Review Receipt Project Search ID: 20100407237630

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PNDI Project Environmental Review Receipt Project Search ID: 20100407237630

5. ADDITIONAL INFORMATION

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For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

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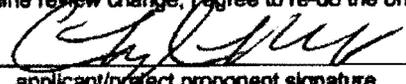
PA Game Commission
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Fax:(717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: Cheryl Marks, Ecologist
Company/Business Name: URS Corporation
Address: 335 Commerce Dr, Suite 300
City, State, Zip: Ft. Washington, PA 19034
Phone: (215) 387-2598 Fax: (215) 387-1000
Email: cheryl_marks@urscorp.com

8. CERTIFICATION

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 4/21/10
applicant/defect proponent signature date

ATTACHMENT 2

**Threatened and Endangered Species that could occur
in Montgomery, Chester, and Bucks Counties that are
Both State Listed and Federally Listed**

Attachment 2

Threatened and Endangered Species that could occur in Montgomery, Chester, and Bucks Counties that are both State Listed and Federally Listed				
Scientific Name	Common Name	Federal Status	State Status	Counties with Recorded Location
Mammals				
<i>Myotis sodalis</i>	Indiana Bat	Endangered	Endangered	Montgomery, Chester, Bucks
Birds				
None				
Reptiles and Amphibians				
<i>Glyptemys muhlenbergii</i>	Bog Turtle	Threatened	Endangered	Montgomery, Chester, Bucks
Fish				
<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	Endangered	Endangered	Bucks
<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	Candidate	Endangered	Bucks
Invertebrates				
<i>Alasmidonta heterodon</i>	Dwarf Wedgemussel	Endangered	Endangered	Montgomery, Chester, Bucks
Plants				
<i>Isotria medeoloides</i>	Small-whorled Pogonia	Threatened	Endangered	Chester

ATTACHMENT 3

Figures Depicting LGS Project Features

Figure 1 LGS Plant Site Property Boundaries

Figure 2 Perkiomen Pumphouse

Figure 3 LGS Makeup Water Supply System

Figure 4 Bradshaw Reservoir and Bradshaw Pumphouse Properties

Figure 5 Bedminster Water Processing Facility Property

Figure 6 Limerick to Cromby 230 kV Transmission Line Route

Figure 7 Cromby to North Wales 230 kV Transmission Line

Figure 8 Cromby to Plymouth Meeting 230 kV Transmission Line Route

Figure 9 Limerick to Whitpain 500 kV Transmission Line Route



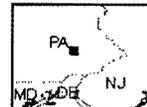
0 875 1,750 3,500 Feet

Exelon.

Reference:
 DVRPC 2005 Aerial Imagery
 ESRI 2009 Streets and Roads

NAD 1983 State Plane Pennsylvania South
 Projection: Lambert Conformal Conic
 Linear Unit: Foot US

Total Exelon Generation-owned property:
 845 acres.



Legend

- Exelon Generation Property Boundary
- County Boundary
- Municipal Boundary
- 2500 Ft Radius Exclusion Area
- Conrail Line

Figure 1 LGS Plant Site Property Boundaries
 Exelon Generation
 Limerick Generating Station
 Limerick Township, Montgomery County, PA

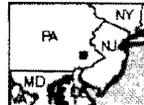


0 1,000 2,000 4,000 Feet

Exelon.

Reference:
USGS Topographic Quadrangle
Collegeville, 1998

NAD 1983 State Plane Pennsylvania South
Projection: Lambert Conformal Conic
Linear Unit: Foot US

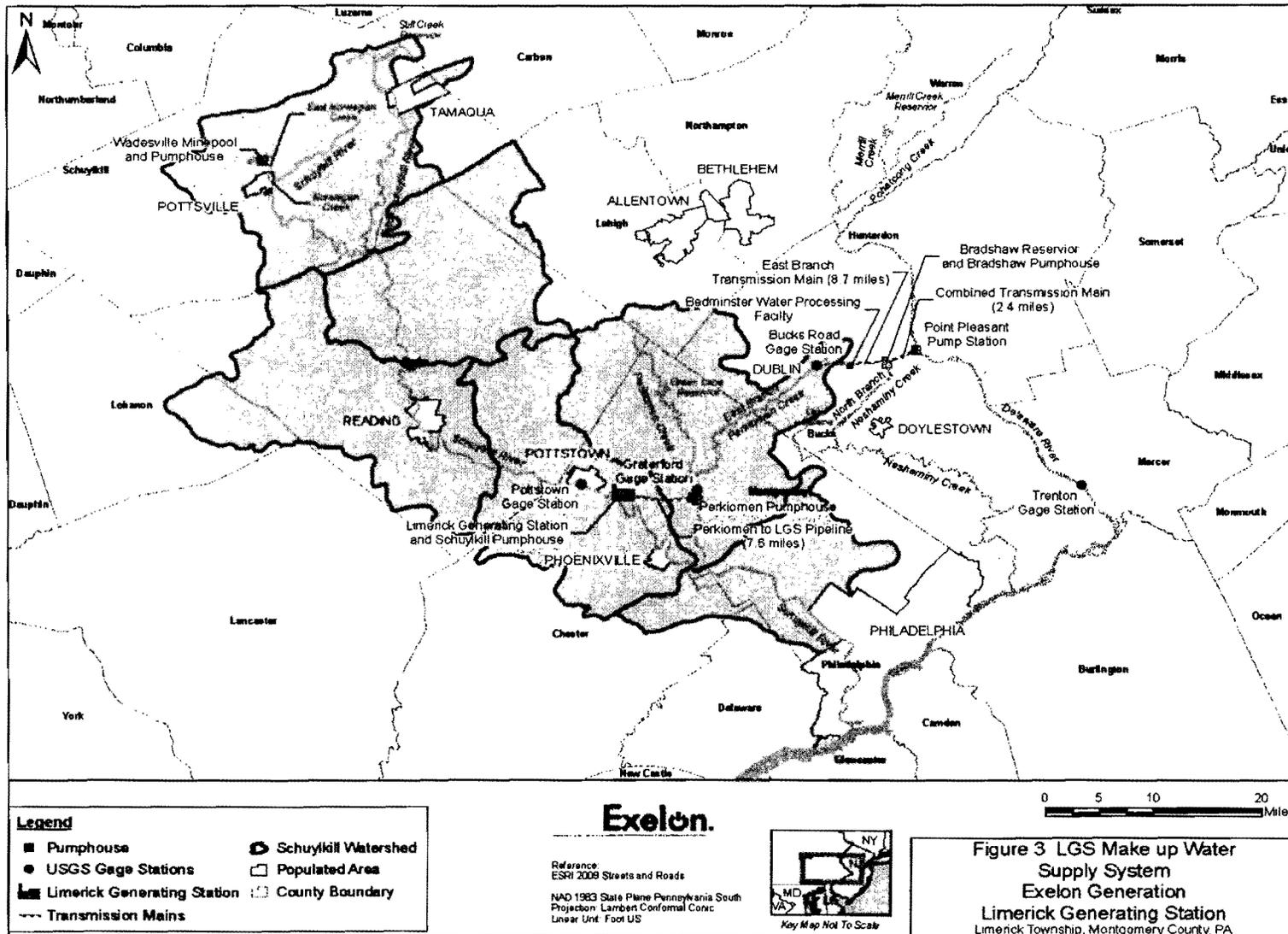


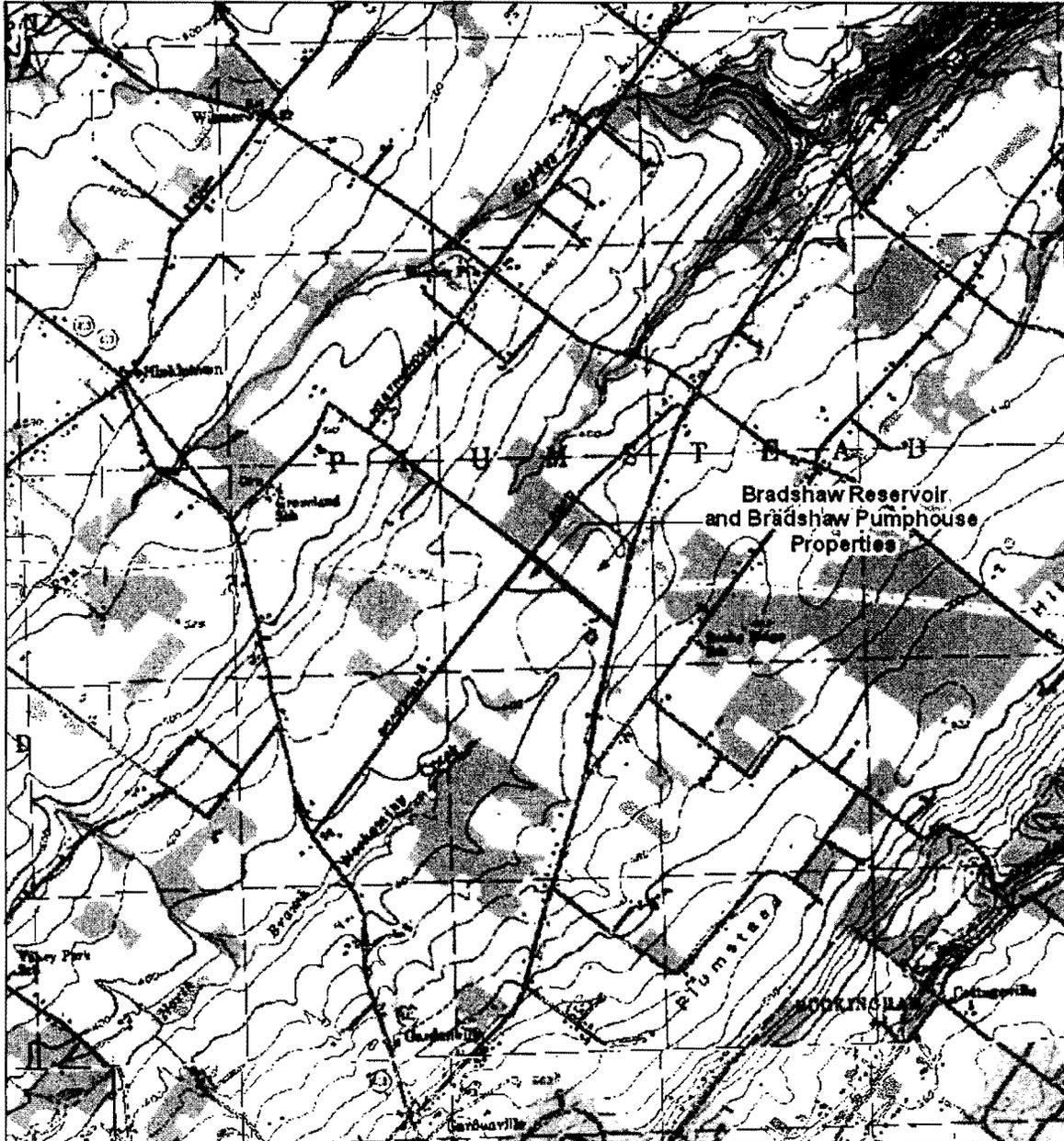
Legend

 Pumphouse Location

**Figure 2 Perkiomen Pumphouse
Exelon Generation
Limerick Generating Station**

Limerick Township, Montgomery County, PA





0 1,000 2,000 4,000
 Feet

Exelon.

Revised:
 USGS Topographic Originals
 Lander, 1908
 Pediment, 1999

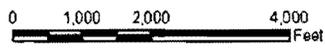
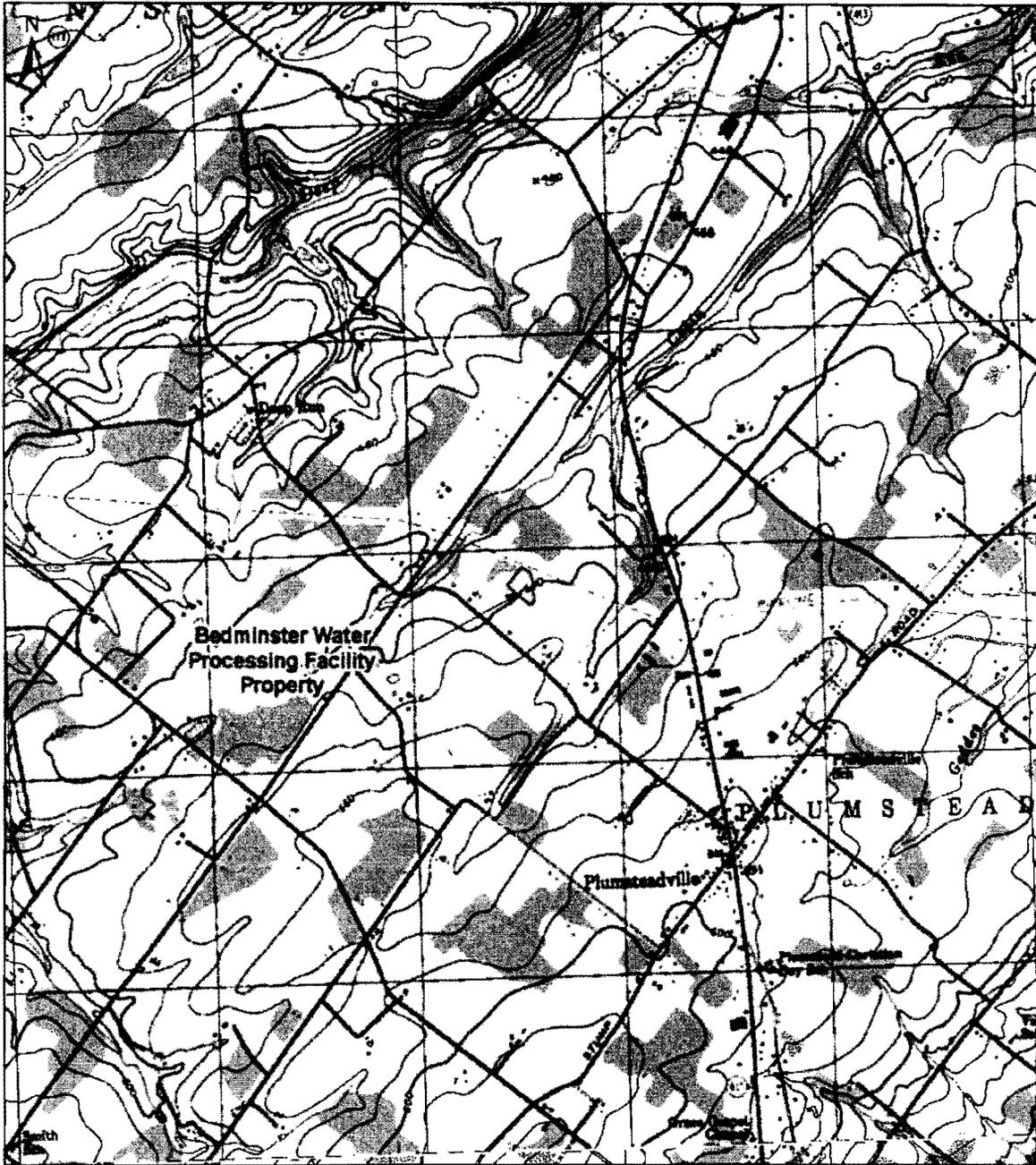
NAD 1983 Contour Projection
 Projection: Lambert Conformal Conic
 Linear Unit: Foot US



Legend

Property Boundary

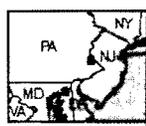
Figure 4 Bradshaw Reservoir and
 Bradshaw Pumphouse Properties
 Exelon Generation
 Limerick Generating Station
 Limerick Township, Montgomery County, PA



Exelon.

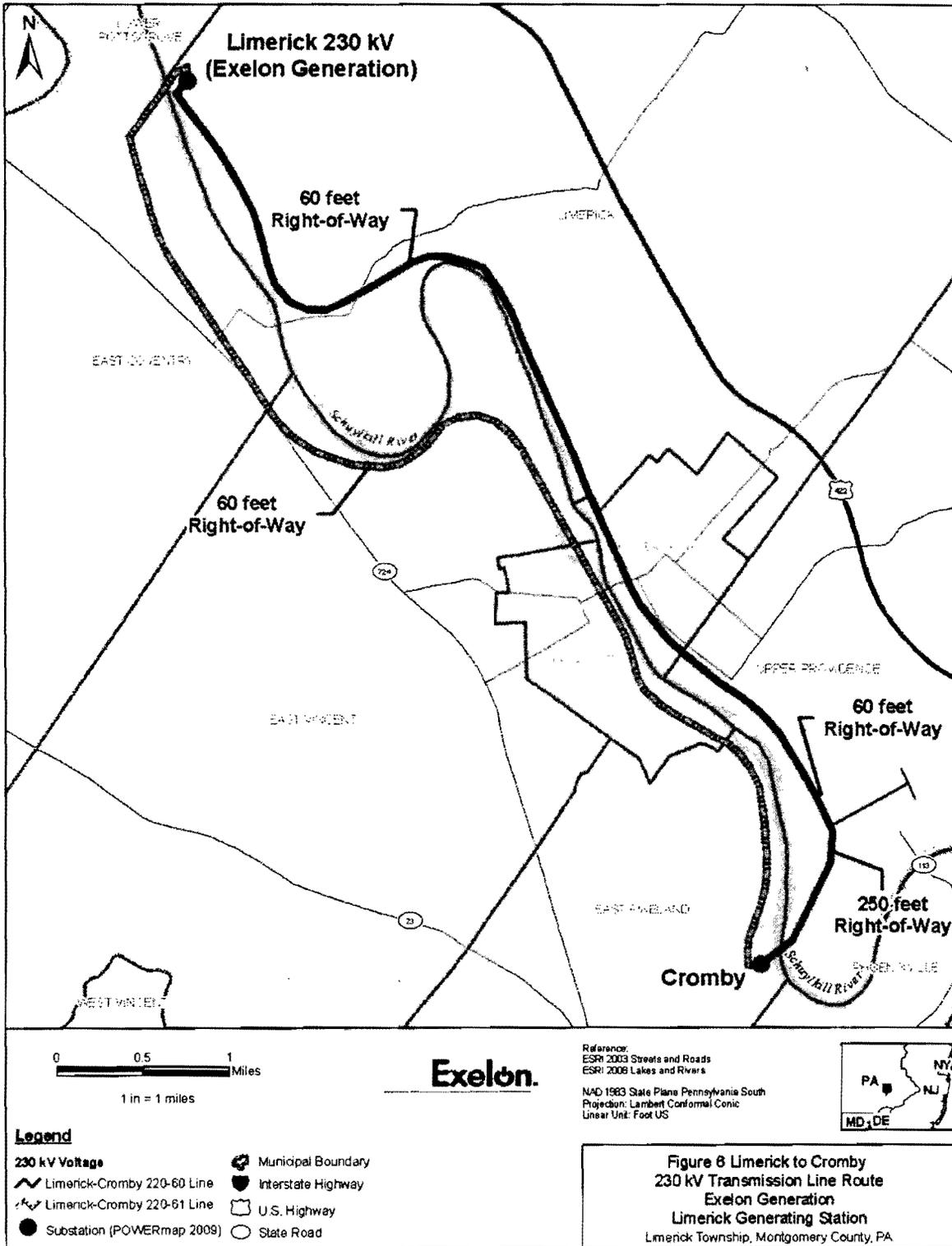
Reference
USGS Topographic Quadrangle
Lumberville, 1996
Bedminster, 1999

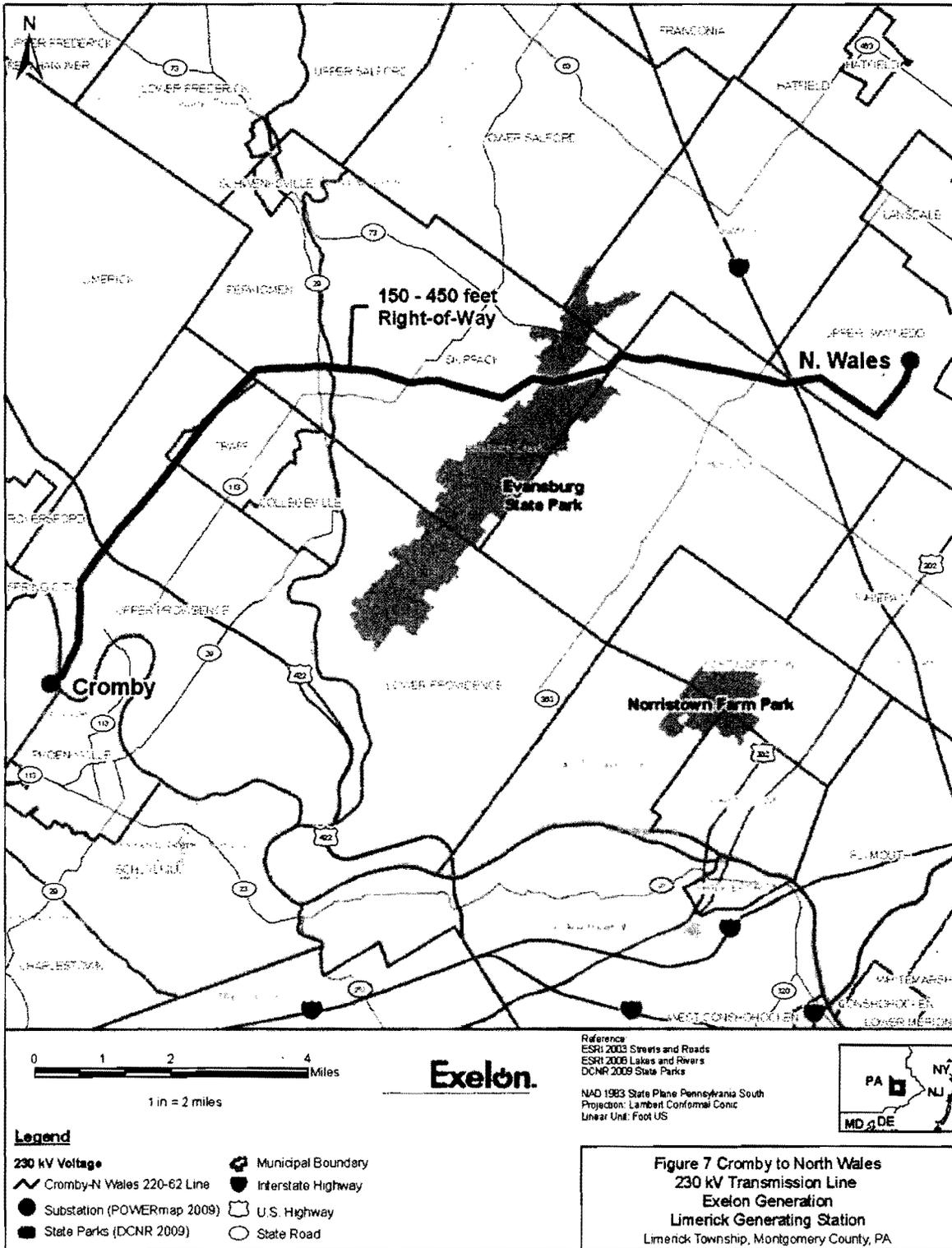
NAD 1983 State Plane Pennsylvania South
Projection: Lambert Conformal Conic
Linear Unit: Foot US

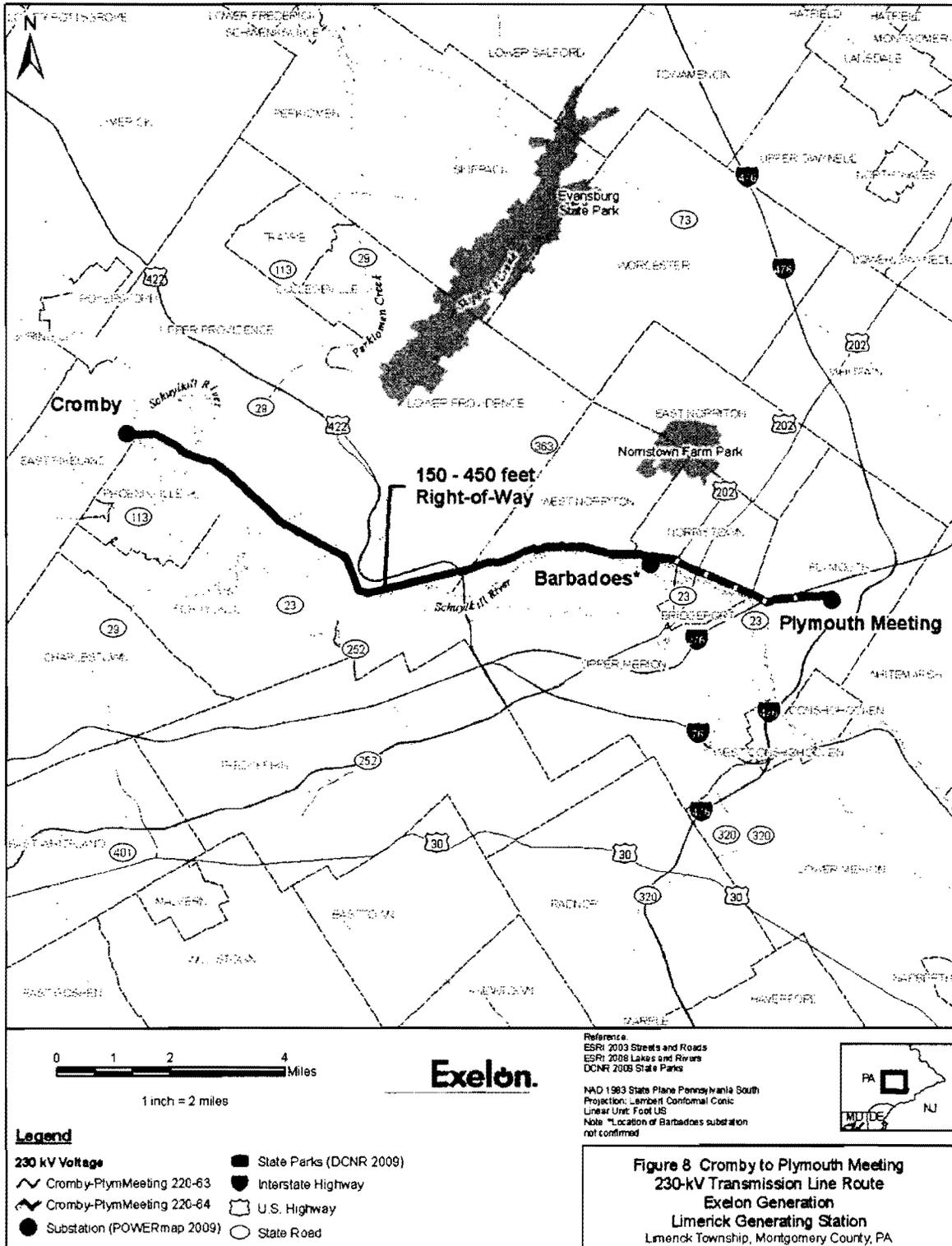


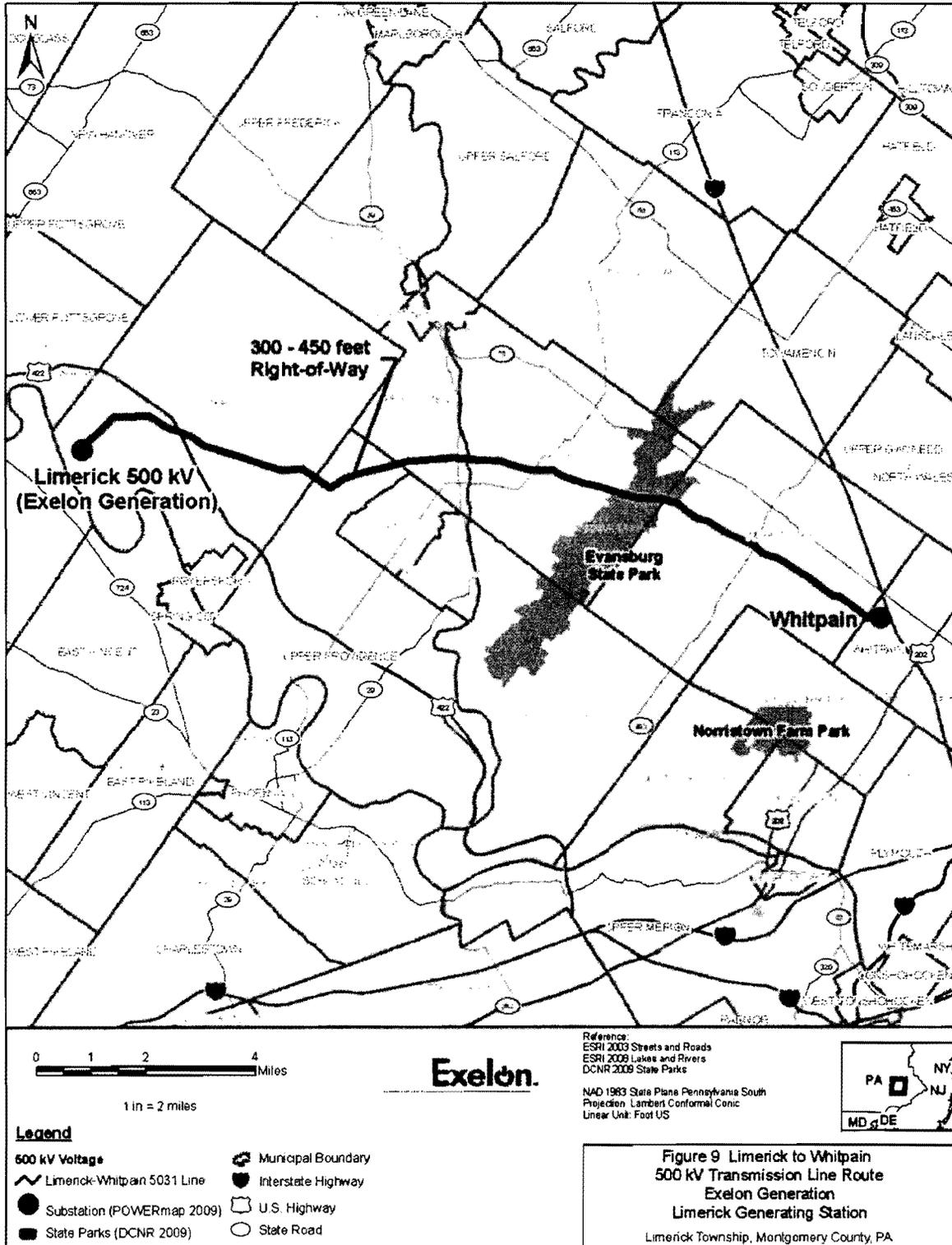
Legend
□ Property Boundary

**Figure 5 Bedminster
Water Processing Facility Property
Exelon Generation
Limerick Generating Station
Limerick Township, Montgomery County, PA**





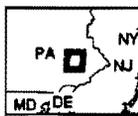




0 1 2 4 Miles
 1 in = 2 miles

Exelon.

Reference:
 ESRI 2009 Streets and Roads
 ESRI 2009 Lakes and Rivers
 DCNR 2009 State Parks
 NAD 1983 State Plane Pennsylvania South
 Projection Lambert Conformal Conic
 Linear Unit: Foot US



- Legend**
- 500 kV Voltage
 - ~ Limerick-Whitpain 5031 Line
 - Substation (POWERmap 2009)
 - State Parks (DCNR 2009)
 - ▭ Municipal Boundary
 - ⬮ Interstate Highway
 - ▭ U.S. Highway
 - State Road

**Figure 9 Limerick to Whitpain
 500 kV Transmission Line Route
 Exelon Generation
 Limerick Generating Station
 Limerick Township, Montgomery County, PA**

PNDI # 20100421240174

USFWS Project # 2011-0365

U.S. FISH AND WILDLIFE SERVICE
315 South Allen Street, Suite 322, State College, PA 16801

This responds to your inquiry about a PNDI Internet Database search that resulted in a potential conflict with a federally listed, proposed or candidate species.

PROJECT LOCATION INFORMATION

County: Chester & Montgomery
Township: Springfield

MISC INFORMATION

Date received by FWS: 01/19/2011
 ACTIVE ARCHIVE

USFWS COMMENTS FAXED MAILED

To: Michael Gallagher

Fax #: _____

Affiliation: Exelon Nuclear

SPECIFIC PROJECT: Limerick Generating Station Unit 1 & 2 Renewal of License

FISH AND WILDLIFE SERVICE COMMENT(s):

 NO EFFECT

Except for occasional transient species, no federally listed, proposed or candidate species under our jurisdiction are known or likely to exist in the project area. Should project plans change, or if additional information on listed or proposed species becomes available, this determination may be reconsidered.

NOT LIKELY TO ADVERSELY AFFECT

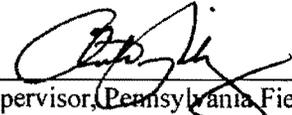
The federally listed Bog Turtle occurs or may occur in or near the project area. However, based on our review of the information provided, including the project description and location (no construction is proposed), no adverse effects to this species are likely to occur. If there is any change in the location, scale, scope, layout or design of the project, further consultation or coordination with the Service will be necessary.

 This response supersedes our comments of _____, based on our review of the additional project information that was submitted to us on _____.

The above determination is valid for two years from the date of this letter. In addition, this response relates only to federally listed, proposed, and candidate species under our jurisdiction, based on an office review of the proposed project's location and anticipated impacts. No field inspection of the project area has been conducted by this office. Consequently, comments on this form are not to be construed as addressing other Service concerns under the Fish and Wildlife Coordination Act or other authorities. *Please reference the above PNDI # and USFWS Project # in any future correspondence regarding this project.*

This review was conducted by the biologist listed below. He/she can be contacted at 814-234-4090.

 Jennifer Dombroskie (x 242) Bonnie Dershem (x 234) Pamela Shellenberger (x 241)
 Robert Anderson (x 228)

SIGNATURE: 
Supervisor, Pennsylvania Field Office

DATE: 3/22/11

Michael P. Gallagher, PE
Vice President
License Renewal Projects

Telephone 610.765.5958
www.exeloncorp.com
michaelp.gallagher@exeloncorp.com

Exelon Nuclear
200 Exelon Way
KSA/2-E
Kennett Square, PA 19348

January 19, 2011

Mr. Chris Urban
PA Fish and Boat Commission
Nongame & Endangered Species Unit
450 Robinson Lane
Bellefonte, PA 16823-7437

Re: Renewal of Operating Licenses for Limerick Generating Station, Units 1 and 2
Request for information on Listed Threatened and Endangered Species

Dear Mr. Urban:

In mid-2011, Exelon Generation Company, LLC (Exelon Generation; a subsidiary of Exelon Corporation) plans to apply to the U.S. Nuclear Regulatory Commission (NRC) for renewal of the operating licenses for Limerick Generating Station, Units 1 and 2 (LGS). The existing license for Unit 1 will expire on October 26, 2024 and the existing license for Unit 2 will expire on June 22, 2029. The renewal term for each unit would be an additional twenty years beyond the existing license expiration date.

The NRC requires that license renewal applications include environmental reports assessing potential environmental impacts from license renewal activities. One such impact would be effects of license renewal activities on threatened and endangered species that are listed or proposed for listing in accordance with the Endangered Species Act (ESA) (16 USC 1531, et seq.) (10 CFR 51.53(c)(3)(ii)(E)). Accordingly, we are contacting you to obtain input for use in addressing these effects in the LGS license renewal environmental report. Later, NRC may also request an informal consultation with your office under Section 7 of the ESA (16 USC 1536(a)).

Project Features

LGS existing features that are relevant to the effects of license renewal on threatened and endangered species include the following:

1. The LGS plant site, which hosts the two generating units, is located on Exelon Generation-owned properties that are mostly situated in Limerick Township, Montgomery County, but some of which are in the adjacent Lower Pottsgrove Township, Montgomery County or directly across the Schuylkill River in East Coventry Township, Chester County.

2. The LGS makeup water supply system, which conveys water from approved sources to LGS for use in its circulating water system, is composed of the following components:
 - The Perkiomen Pumphouse, located in Graterford Township, Montgomery County, and an associated underground 7.6-mile long Perkiomen Pumphouse-to-LGS pipeline; both are located along an easement held by Exelon Generation within an electrical transmission line right-of-way (ROW) controlled by PECO, a subsidiary of Exelon Corporation;
 - The Bradshaw Reservoir and Bradshaw Pumphouse, which are both situated in Plumstead Township, Bucks County, on Exelon Generation-owned properties totaling 42 acres;
 - The Bedminster Water Processing Facility, which is situated in Bedminster Township, Bucks County, on a 3-acre Exelon Generation-owned property; and
 - An underground water transmission main, which is routed within a natural gas pipeline ROW along an easement held by Exelon Generation that runs from the Bradshaw Pumphouse to the East Branch Perkiomen Creek by way of the Bedminster Facility.

The buried Perkiomen Pumphouse-to-LGS water pipeline and the underground water transmission main are located below ground within ROWs that exist for other purposes, and their operation requires no independent vegetation management or ground disturbing activities along these ROWs. Hence, these underground components of the makeup water supply system are assumed to have no effects on threatened and endangered plant species.

3. The LGS transmission system is composed of the following components:
 - Two electrical transmission lines constructed to connect the LGS main power transformers with two onsite electrical substations (these components are located on the LGS plant site); and
 - Four 230-kiloVolt (kV) and one 500-kV electrical transmission lines, with associated structures and offsite electrical substations, constructed to connect the onsite electrical substations to the regional electricity grid.

All offsite substations and transmission lines are operated by PECO and are located in ROWs situated in Montgomery and Chester Counties either on PECO-owned properties or on properties for which PECO holds permits, grants, easements, or licenses. Onsite transmission lines traverse only land disturbed during initial station construction.

Figures 1 through 9 showing the locations of the existing LGS project features are provided in Attachment 3.

Activities During the License Renewal Terms

LGS license renewal will involve no new construction, refurbishment, ground disturbing activities, changes to operations, or changes to existing land-use conditions. Operation and maintenance activities during the terms of the renewed LGS licenses are only expected to occur in previously disturbed areas or existing ROWs. Hence, no new adverse impacts to threatened and endangered species are anticipated from license renewal.

Identification of Threatened and Endangered Species Resources

Using the Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Tool, a web-based application sponsored by the Pennsylvania Natural Heritage Program (PNHP), Exelon Generation has reviewed the potential for the LGS plant site area and the properties associated with the LGS makeup water supply system to adversely affect known occurrences of species or natural communities of concern. Receipts for PNDI search #s 20100421240174 (LGS plant site), 20100421240163 (Perkiomen Pumphouse area), 20100406237563 (Bradshaw Reservoir and Pumphouse area), and 20100407237630 (Bedminster Water Processing Facility area) are attached (Attachment 1). Two species under the jurisdiction of the PFBC were identified for the LGS plant site: one sensitive species (unidentified) with threatened status and the Pizzini's cave amphipod (*Stygobromus pizzinii*) with "special concern species" status. Also, one sensitive species (unidentified) with threatened status under the jurisdiction of the PFBC was identified for the Bradshaw Reservoir and Pumphouse location. The responses for the other project sites stated that no impact is anticipated to threatened and endangered species and/or special concern species or resources.

Given the sizable acreage and distances associated with the LGS transmission line corridors, no PNDI searches were conducted for this project component. For review by your office in identifying species of concern, we instead offer the figures in Attachment 3 showing the routes and widths of the corridors.

A review of the PNHP web site for state-listed endangered and threatened species indicates that a number of state-listed reptile and amphibian, fish, and invertebrate species could occur in Montgomery, Chester, and Bucks Counties. The enclosed Attachment 2 contains a list of these species. One amphibian species, the bog turtle (*Glyptemys muhlenbergii*), state-listed as endangered with recorded locations in the three counties of interest, also is federally-listed as threatened. Two fish species, the shortnose sturgeon (*Acipenser brevirostrum*) and the Atlantic sturgeon (*Acipenser oxyrinchus*), which are state-listed as endangered with Bucks County as their recorded locations, also are federally-listed as endangered and candidate species, respectively. One invertebrate species, the dwarf wedgemussel (*Alasmidonta heterodon*), state-listed as endangered with recorded locations in the three counties of interest, also is federally-listed as endangered. Exelon Generation is not aware that these or any other state-listed reptile and amphibian, fish, or invertebrate species are present on or near the properties associated with LGS or its associated transmission lines.

Because license renewal involves no new construction, refurbishment, ground disturbing activities, changes to operation, or changes to existing land use conditions, Exelon Generation does not expect LGS license renewal to adversely affect threatened and endangered reptile and amphibian, fish, and invertebrate species located near the LGS plant site, makeup water supply system, or transmission system ROWs. Nevertheless, we are requesting your help to identify the two unidentified sensitive species under PFBC jurisdiction that were identified by our PNDI searches, as well as other issues we may have overlooked that need to be addressed in the LGS license renewal environmental report. We are also interested in learning of any information your staff believes could help expedite the NRC's review of the LGS license renewal application. Hence, in closing, we would appreciate receiving a response from you detailing the requested information for the LGS plant site, makeup water supply system and transmission system. We would also welcome your confirmation of our conclusion that LGS license renewal would not adversely affect threatened and endangered reptile and amphibian, fish, and invertebrate species.

Mr. Chris Urban
January 19, 2011
Page 4 of 4

Because we plan to incorporate a copy of your response, as well as this letter, into the LGS license renewal environmental report that will be submitted to the NRC as part of the LGS license renewal application, your response will be most helpful if we receive it by March 10, 2011.

Please call Nancy Ranek (610-765-5369), our License Renewal Environmental Lead, if there are questions or you require additional information.

Sincerely,



Michael P. Gallagher

Enclosures:

- Attachment 1: Receipts for PNDI Search #s 20100421240174, 20100421240163, 20100406237563, and 20100407237630
- Attachment 2: Threatened and Endangered Reptile and Amphibian, Fish, and Invertebrate Species that could occur in Montgomery, Chester, and Bucks Counties
- Attachment 3: Figures Depicting LGS Project Features (Figures 1 through 9)

ATTACHMENT 1

Receipts for PNDI Searches

Receipt for PNDI Search # 20100421240174, Limerick GS	2
Receipt for PNDI Search # 20100421240163, Perkiomen Pumphouse.....	7
Receipt for PNDI Search # 20100406237563, Bradshaw pump	11
Receipt for PNDI Search # 20100407237630, Bedminster WPF.....	16

PNDI Project Environmental Review Receipt Project Search ID: 20100421240174

DCNR Species:

Scientific Name: *Rotala ramosior*
Common Name: Tooth cup
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

PA Fish and Boat Commission

PFBC Species:

Scientific Name: Sensitive Species**
Common Name:
Current Status: Threatened
Proposed Status: Special Concern Species*

Scientific Name: *Stygobromus pizzinii*
Common Name: Pizzini's Cave Amphipod
Current Status: Special Concern Species*
Proposed Status: Special Concern Species*

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

U.S. Fish and Wildlife Service

RESPONSE: No impacts to ~~federally~~ listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, send the following information to the agency(s) seeking this information (see AGENCY CONTACT INFORMATION).

PNDI Project Environmental Review Receipt

Project Search ID: 20100421240174

Check-List of Minimum Materials to be submitted:

- ___ SIGNED copy of this Project Environmental Review Receipt
- ___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.
- ___ Project location information (name of USGS Quadrangle, Township/Municipality, and County)
- ___ USGS 7.5-minute Quadrangle with project boundary clearly indicated, and quad name on the map

The inclusion of the following information may expedite the review process.

- ___ A basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)
- ___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)
- ___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams
- ___ The DEP permit(s) required for this project

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt, a completed PNDI form and a USGS 7.5 minute quadrangle map with the project boundaries delineated on the map. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.

PNDI Project Environmental Review Receipt Project Search ID: 20100421240174

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552, Harrisburg, PA 17105-8552
Fax: (717) 772-0271

U.S. Fish and Wildlife Service
Endangered Species Section
315 South Allen Street, Suite 322, State College, PA 16801-4851
NO Faxes Please.

PA Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane, Bellefonte, PA 16823-7437
NO Faxes Please

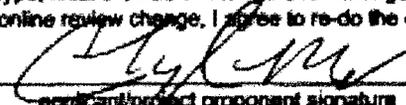
PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Fax: (717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: Cheryl Marks, Ecologist
Company/Business Name: URS Corporation
Address: 355 Commercial DC, Suite 300
City, State, Zip: Ft. Washington, PA 19034
Phone: (215) 367-2598 Fax: (215) 367-1200
Email: cheryl.marks@urscorp.com

8. CERTIFICATION

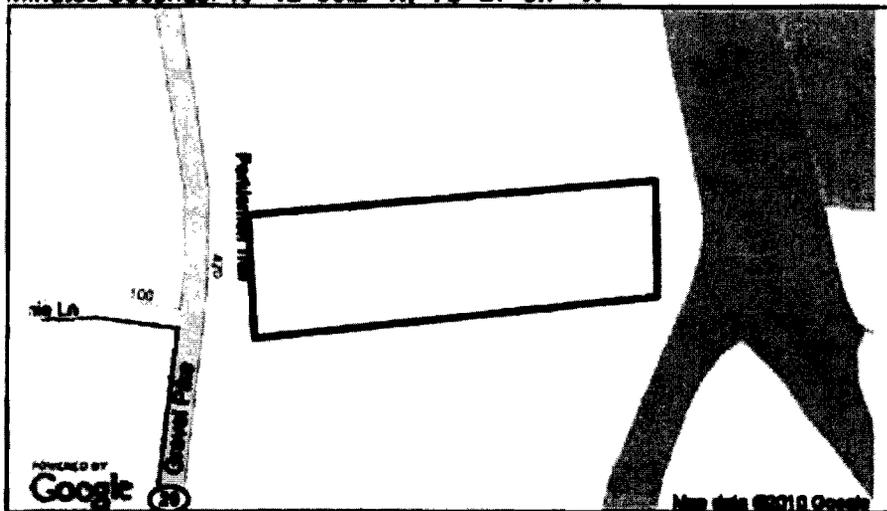
I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

 4/21/10
applicant/project proponent signature Date

PNDI Project Environmental Review Receipt Project Search ID: 20100421240163

1. PROJECT INFORMATION

Project Name: **Perklomen Pumphouse**
 Date of review: **4/21/2010 4:16:12 PM**
 Project Category: **Energy Storage, Production, and Transfer, Energy Production (generation), Nuclear Power Plant – maintenance, modification, or expansion**
 Project Area: **3.5 acres**
 County: **Montgomery Township/Municipality: Perklomen**
 Quadrangle Name: **COLLEGEVILLE ~ ZIP Code: 19426**
 Decimal Degrees: **40.215611 N, -75.451022 W**
 Degrees Minutes Seconds: **40° 12' 56.2" N, -75° 27' 3.7" W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

PNDI Project Environmental Review Receipt Project Search ID: 20100421240163

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are valid for one year (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt.

PA Game Commission

RESPONSE: No impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: No impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE: No impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE: No impacts to federally listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application

PNDI Project Environmental Review Receipt Project Search ID: 20100421240163

should be submitted to DEP along with the PNDI receipt, a completed PNDI form and a USGS 7.5 minute quadrangle map with the project boundaries delineated on the map. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturaheritage.state.pa.us>.

PNDI Project Environmental Review Receipt Project Search ID: 20100421240163

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552, Harrisburg, PA, 17105-8552
Fax: (717) 772-0271

U.S. Fish and Wildlife Service
Endangered Species Section
315 South Allen Street, Suite 322, State College, PA, 16801-4861
NO Faxes Please.

PA Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane, Bellefonte, PA. 16823-7437
NO Faxes Please

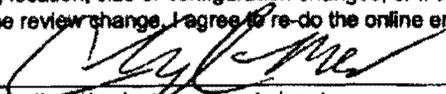
PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerion Avenue, Harrisburg, PA. 17110-9797
Fax: (717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: Cheryl Marks, Ecologist
Company/Business Name: URS Corporation
Address: 335 Commerce Dr, Suite 300
City, State, Zip: Ft. Washington, PA 19034
Phone: (215) 367-2578 Fax: (215) 367-1000
Email: cheryl_marks@urscorp.com

8. CERTIFICATION

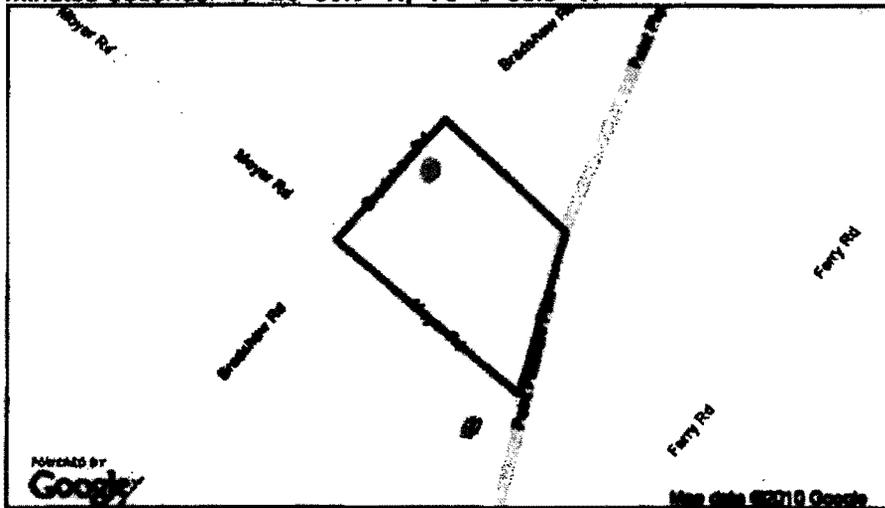
I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

 4/21/10
applicant/project proponent signature date

PNDI Project Environmental Review Receipt Project Search ID: 20100406237563

1. PROJECT INFORMATION

Project Name: **Bradshaw_pump**
 Date of review: **4/6/2010 3:53:37 PM**
 Project Category: **Energy Storage, Production, and Transfer, Energy Production (generation), Nuclear Power Plant – maintenance, modification, or expansion**
 Project Area: **36.5 acres**
 County: **Bucks Township/Municipality: Plumstead**
 Quadrangle Name: **LUMBERVILLE ~ ZIP Code: 18947,18901**
 Decimal Degrees: **40.397483 N, -75.093140 W**
 Degrees Minutes Seconds: **40° 23' 50.9" N, -75° 5' 35.3" W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

PNDI Project Environmental Review Receipt Project Search ID: 20100406237563

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

RESPONSE TO QUESTION(S) ASKED

Q1: Accurately describe what is known about wetland presence in the project area or on the land parcel. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected -- either directly or indirectly -- by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur .
Your answer is: **2. The project area (or land parcel) has not been investigated by someone qualified to identify and delineate wetlands, or it is currently unknown if the project or project activities will affect wetlands.**

Q2: Aquatic habitat (stream, river, lake, pond, etc.) is located on or adjacent to the subject property and project activities (including discharge) may occur within 300 feet of these habitats
Your answer is: **3. Unknown**

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are valid for one year (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt.

PA Game Commission

RESPONSE: No impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: No impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

PNDI Project Environmental Review Receipt Project Search ID: 20100406237563

PFBC Species:
Scientific Name: Sensitive Species**
Common Name:
Current Status: Threatened
Proposed Status: Special Concern Species*

RESPONSE: Further review of this project is necessary to resolve the potential impacts(s). Please send project information to this agency for review (see WHAT TO SEND).

U.S. Fish and Wildlife Service

RESPONSE: No impacts to federally listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, send the following information to the agency(s) seeking this information (see AGENCY CONTACT INFORMATION).

Check-list of Minimum Materials to be submitted:

- ___ SIGNED copy of this Project Environmental Review Receipt
- ___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.
- ___ Project location information (name of USGS Quadrangle, Township/Municipality, and County)
- ___ USGS 7.5-minute Quadrangle with project boundary clearly indicated, and quad name on the map

The inclusion of the following information may expedite the review process.

- ___ A basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)
- ___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)
- ___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams
- ___ The DEP permit(s) required for this project

PNDI Project Environmental Review Receipt Project Search ID: 20100406237563

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential Impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential Impact" to special concern species and resources has been identified before the application has been submitted, the application should be submitted to DEP along with the PNDI receipt, a completed PNDI form and a USGS 7.5 minute quadrangle map with the project boundaries delineated on the map. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.

PNDI Project Environmental Review Receipt Project Search ID: 20100406237563

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552, Harrisburg, PA.
17105-8552
Fax: (717) 772-0271

U.S. Fish and Wildlife Service
Endangered Species Section
315 South Allen Street, Suite 322, State College, PA.
16801-4851
NO Faxes Please.

PA Fish and Boat Commission
Division of Environmental Services
450 Robinson Lane, Bellefonte, PA. 16823-7437
NO Faxes Please

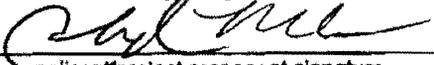
PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmeron Avenue, Harrisburg, PA. 17110-9797
Fax: (717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: Cheryl Marks, Ecologist
Company/Business Name: URS Corporation
Address: 335 Commerce Dr Suite 300
City, State, Zip: Et. Washington, PA 19034
Phone: (215) 367-2598 Fax: (215) 367-1000
Email: Cheryl.marks@urscorp.com

8. CERTIFICATION

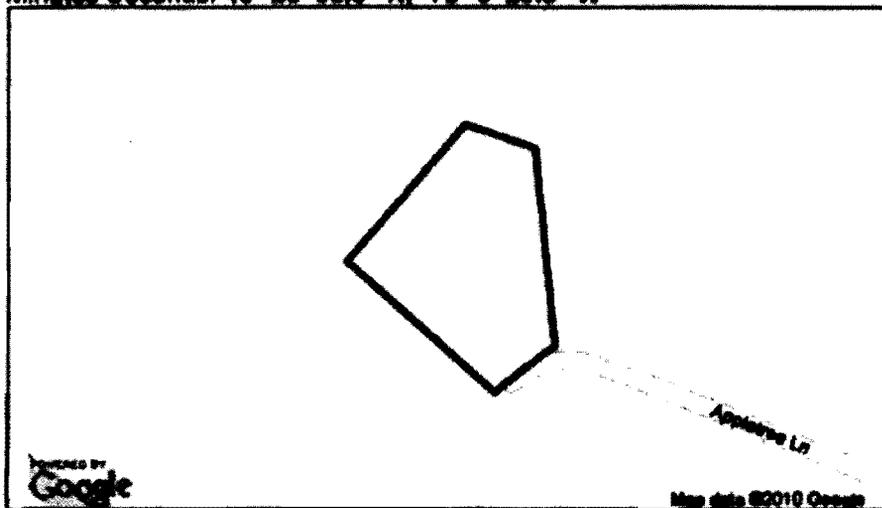
I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

 4/21/10
applicant/project proponent signature date

PNDI Project Environmental Review Receipt Project Search ID: 20100407237630

1. PROJECT INFORMATION

Project Name: **Bedminster_WPF**
 Date of review: **4/7/2010 10:02:31 AM**
 Project Category: **Energy Storage, Production, and Transfer, Energy Production (generation), Nuclear Power Plant – maintenance, modification, or expansion**
 Project Area: **2.4 acres**
 County: **Bucks Township/Municipality: Bedminster**
 Quadrangle Name: **BEDMINSTER ~ ZIP Code: 18947**
 Decimal Degrees: **40.399023 N, -75.158205 W**
 Degrees Minutes Seconds: **40° 23' 56.5" N, -75° 9' 29.5" W**



2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

PNDI Project Environmental Review Receipt Project Search ID: 20100407237630

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 in certain counties (Adams, Berks, Bucks, Carbon, Chester, Cumberland, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Schuylkill and York) must comply with the bog turtle habitat screening requirements of the PASPGP.

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are valid for one year (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt.

PA Game Commission

RESPONSE: No impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE: No impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE: No impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE: No impacts to federally listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 *et seq.*) is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. For cases where a "Potential impact" to threatened and endangered species has been identified before the application has been submitted to DEP, the application should not be submitted until the impact has been resolved. For cases where "Potential impact" to special concern species and resources has been identified before the application has been submitted, the application

PNDI Project Environmental Review Receipt Project Search ID: 20100407237630

should be submitted to DEP along with the PNDI receipt, a completed PNDI form and a USGS 7.5 minute quadrangle map with the project boundaries delineated on the map. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. DEP and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <http://www.naturalheritage.state.pa.us>.

PNDI Project Environmental Review Receipt Project Search ID: 20100407237630

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552, Harrisburg, PA.
17105-8552
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PA Fish and Boat Commission

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NO Faxes Please

PA Game Commission

Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA. 17110-9797
Fax:(717) 787-6957

7. PROJECT CONTACT INFORMATION

Name: Cheryl Marks, Ecologist
Company/Business Name: URS Corporation
Address: 335 Commerce Dr, Suite 300
City, State, Zip: Ft. Washington, PA 19034
Phone: (215) 387-2590 Fax: (215) 387-1000
Email: cheryl_marks@urscorp.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

Cheryl Marks 4/21/10
applicant/project proponent signature date

ATTACHMENT 2

**Threatened and Endangered Reptile and Amphibian, Fish and Invertebrate Species
that could occur in Montgomery, Chester, and Bucks Counties**

Attachment 2

Threatened and Endangered Reptile and Amphibian, Fish and Invertebrate Species that could occur in Montgomery, Chester, and Bucks Counties				
Scientific Name	Common Name	Federal Status	State Status	Counties with Recorded Location
Reptiles and Amphibians				
<i>Glyptemys mühlenbergii</i>	Bog Turtle	Threatened	Endangered	Montgomery, Chester, Bucks
<i>Ophedrys aestivus</i>	Rough Green Snake	--	Endangered	Chester
<i>Pseudacris triseriata kalmi</i>	New Jersey Chorus Frog	--	Endangered	Montgomery, Bucks
<i>Pseudemys rubriventris</i>	Redbelly Turtle	--	Threatened	Montgomery, Chester, Bucks
<i>Rana sphenoccephala</i>	Coastal Plain Leopard Frog	--	Endangered	Chester, Bucks
<i>Scaphiopus holbrookii</i>	Eastern Spadefoot	--	Endangered	Bucks
Fish				
<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	Endangered	Endangered	Bucks
<i>Acipenser oxyrinchus</i>	Atlantic Sturgeon	Candidate	Endangered	Bucks
<i>Enneacanthus obesus</i>	Banded Sunfish	--	Endangered	Bucks
<i>Lepomis megalotis</i>	Longear Sunfish	--	Endangered	Bucks
<i>Notropis chalybaeus</i>	Ironcolor Shiner	--	Endangered	Montgomery, Bucks
Invertebrates				
<i>Alasmidonta heterodon</i>	Dwarf Wedgemussel	Endangered	Endangered	Montgomery, Chester, Bucks

Note: -- in the Federal Status column signifies that the species is not a federally-listed species.

ATTACHMENT 3

Figures Depicting LGS Project Features

Figure 1 LGS Plant Site Property Boundaries

Figure 2 Perkiomen Pumphouse

Figure 3 LGS Makeup Water Supply System

Figure 4 Bradshaw Reservoir and Bradshaw Pumphouse Properties

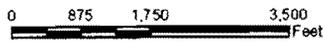
Figure 5 Bedminster Water Processing Facility Property

Figure 6 Limerick to Cromby 230 kV Transmission Line Route

Figure 7 Cromby to North Wales 230 kV Transmission Line

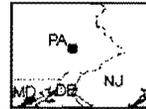
Figure 8 Cromby to Plymouth Meeting 230 kV Transmission Line Route

Figure 9 Limerick to Whitpain 500 kV Transmission Line Route



Exelon.

Reference:
 OVRFC 2006 Aerial Imagery
 ESRI 2008 Streets and Roads
 NAD 1983 State Plane Pennsylvania South
 Projection: Lambert Conformal Conic
 Linear Unit: Foot US
 Total Exelon Generation-owned property:
 645 acres



Legend

- Exelon Generation Property Boundary
- County Boundary
- Municipal Boundary
- 2500 Ft Radius Exclusion Area
- Conrail Line

Figure 1 LGS Plant Site Property Boundaries
Exelon Generation
Limerick Generating Station
 Limerick Township, Montgomery County, PA



0 1,000 2,000 4,000 Feet

Exelon.

Reference:
USGS Topographic Quadrangle
Collegeville, 1966

NAD 1983 State Plane Pennsylvania South
Projection, Lambert Conformal Conic
Linear Unit: Foot US

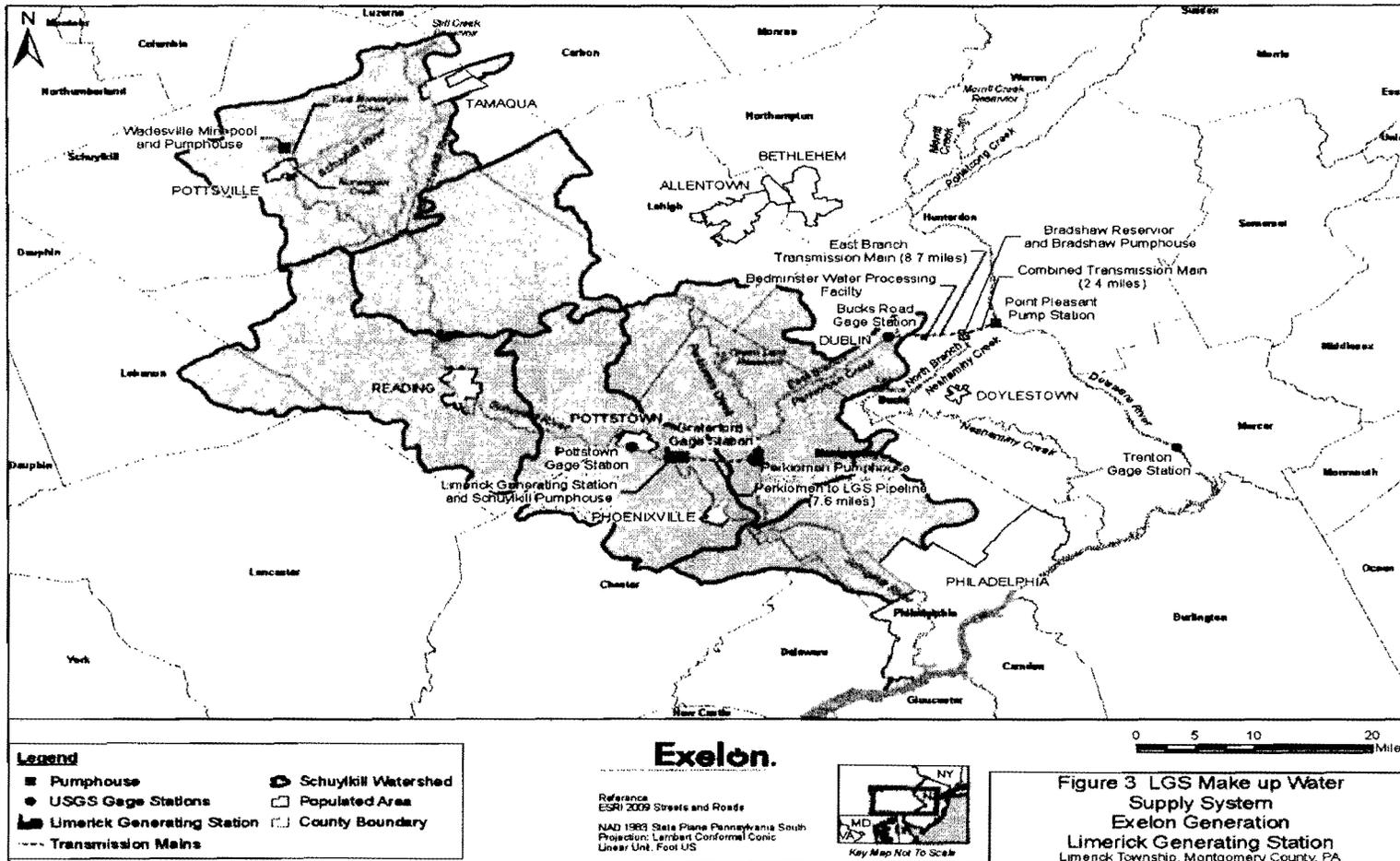


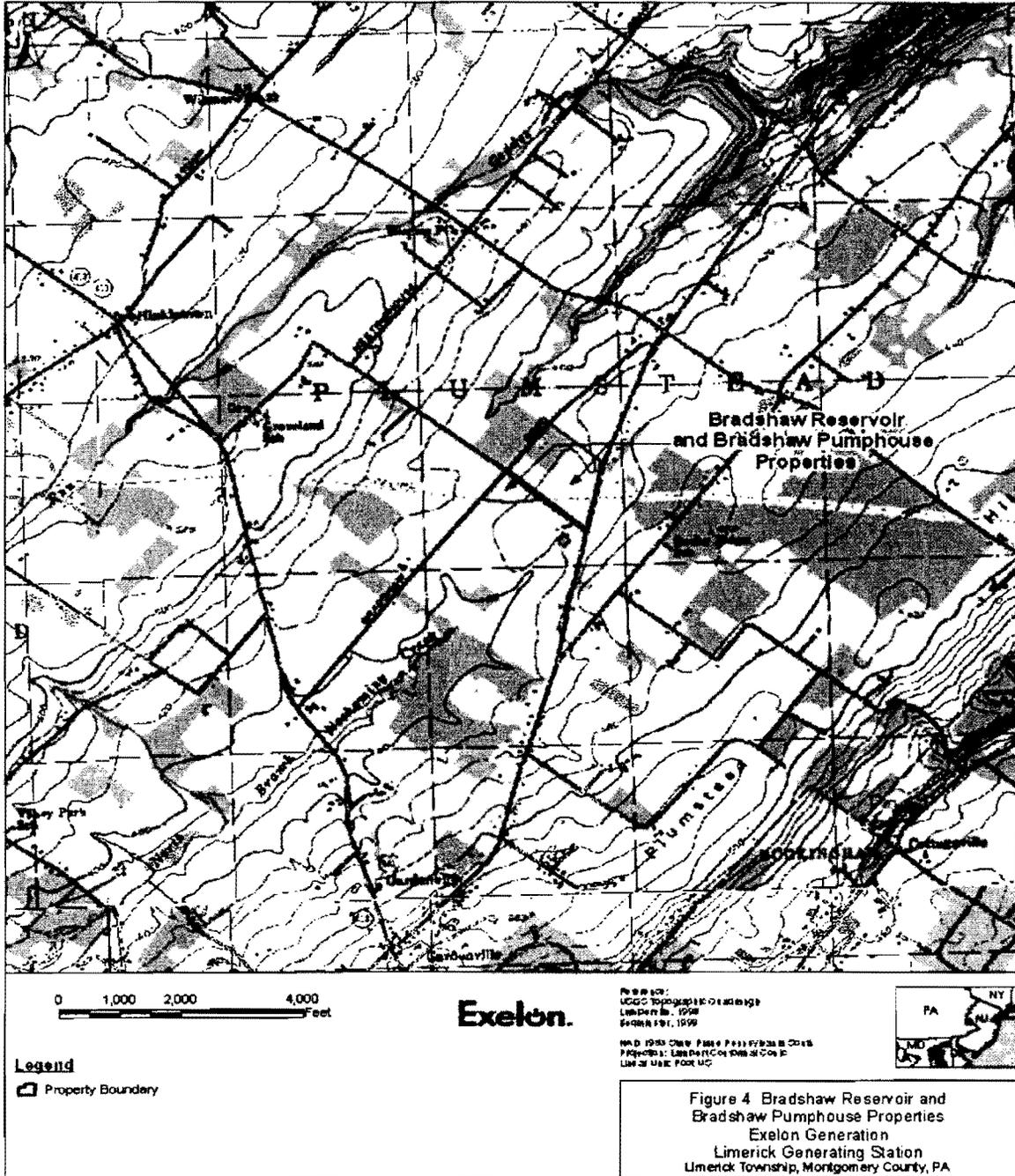
Legend

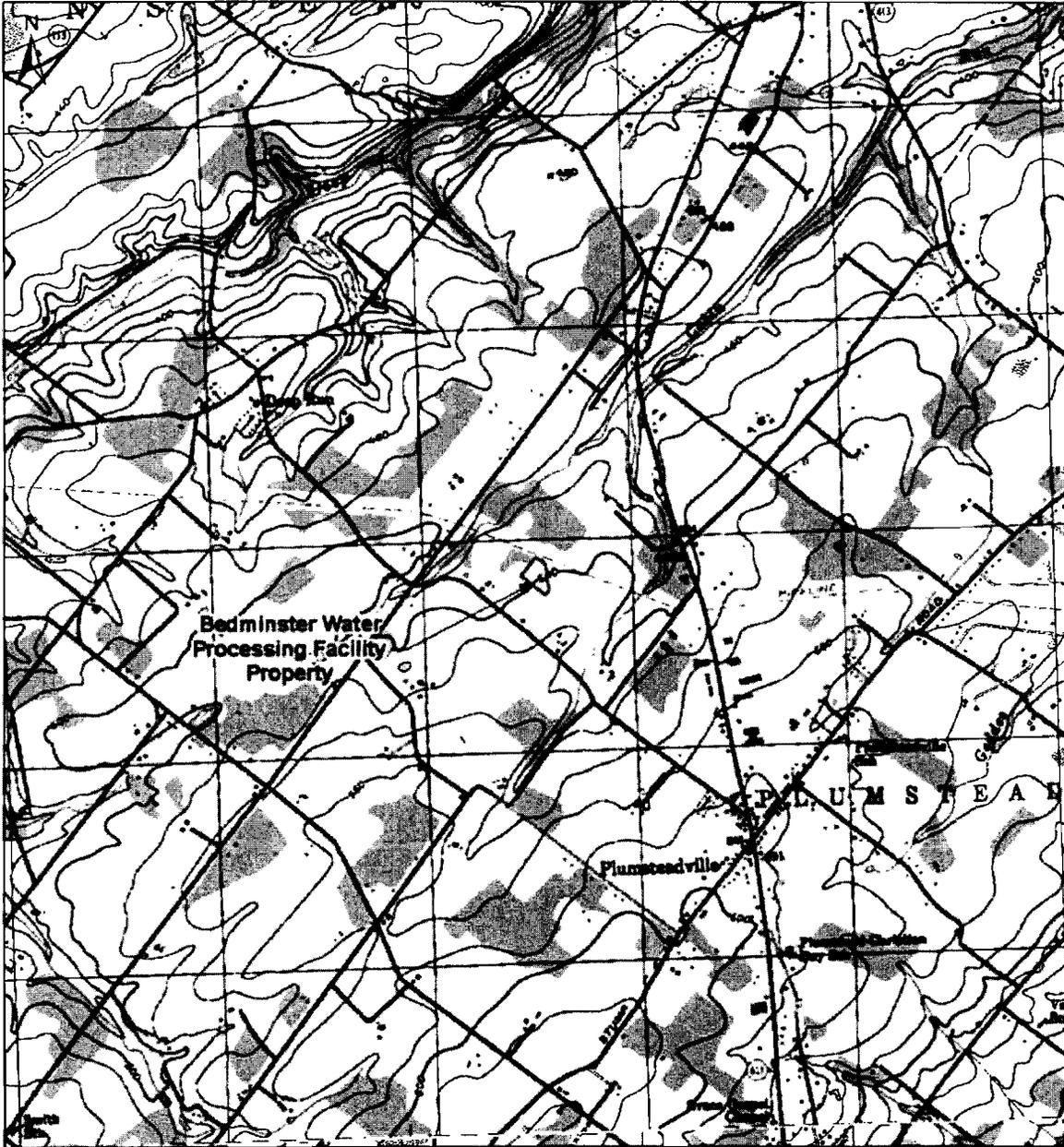
 Pumphouse Location

**Figure 2 Perkiomen Pumphouse
Exelon Generation
Limerick Generating Station**

Limerick Township, Montgomery County, PA



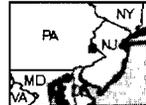




Exelon.

Reference:
USGS Topographic Quadrangle
Lumberville, 1998
Bedminster, 1999

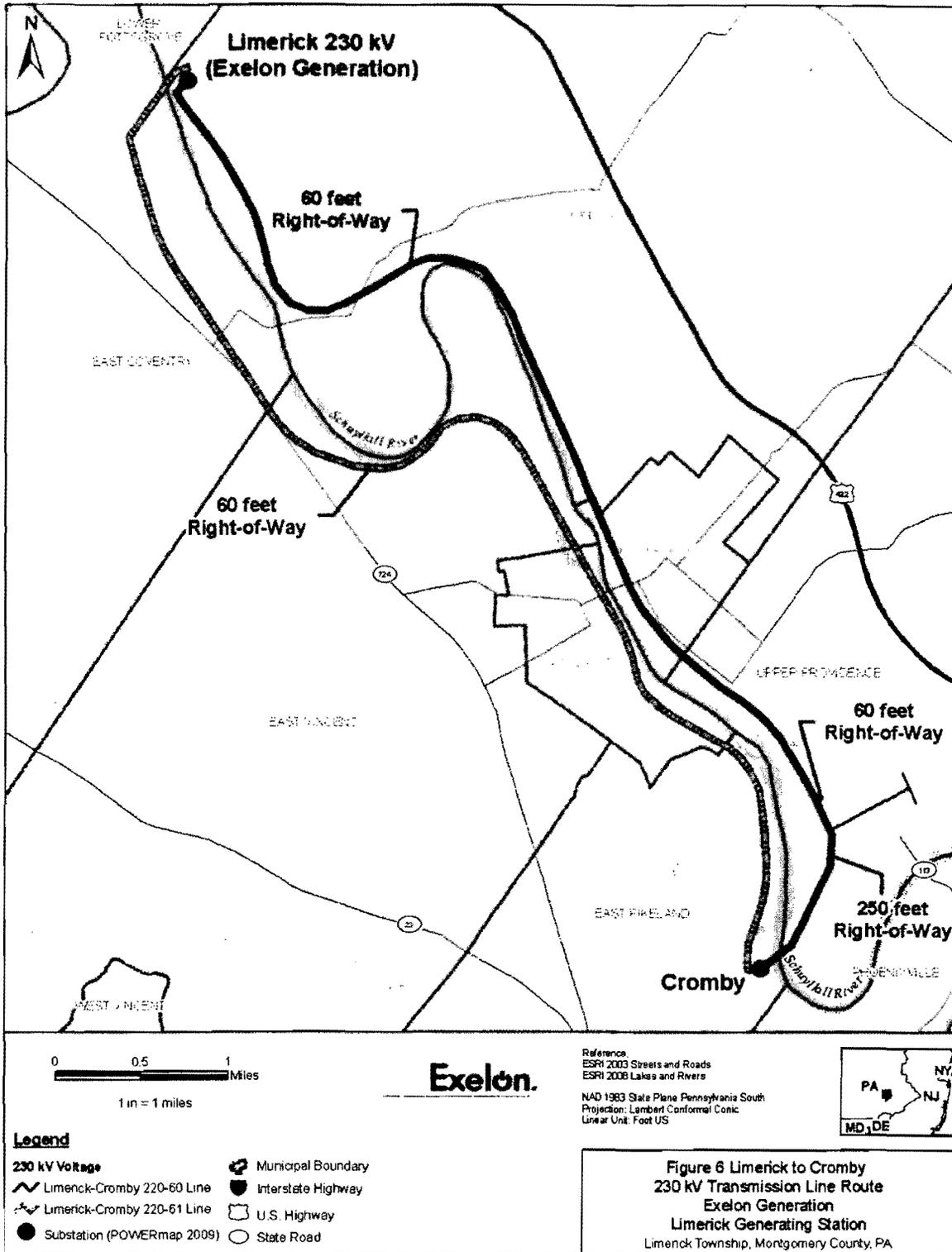
NAD 1983 State Plane Pennsylvania South
Projection: Lambert Conformal Conic
Linear Unit: Foot US

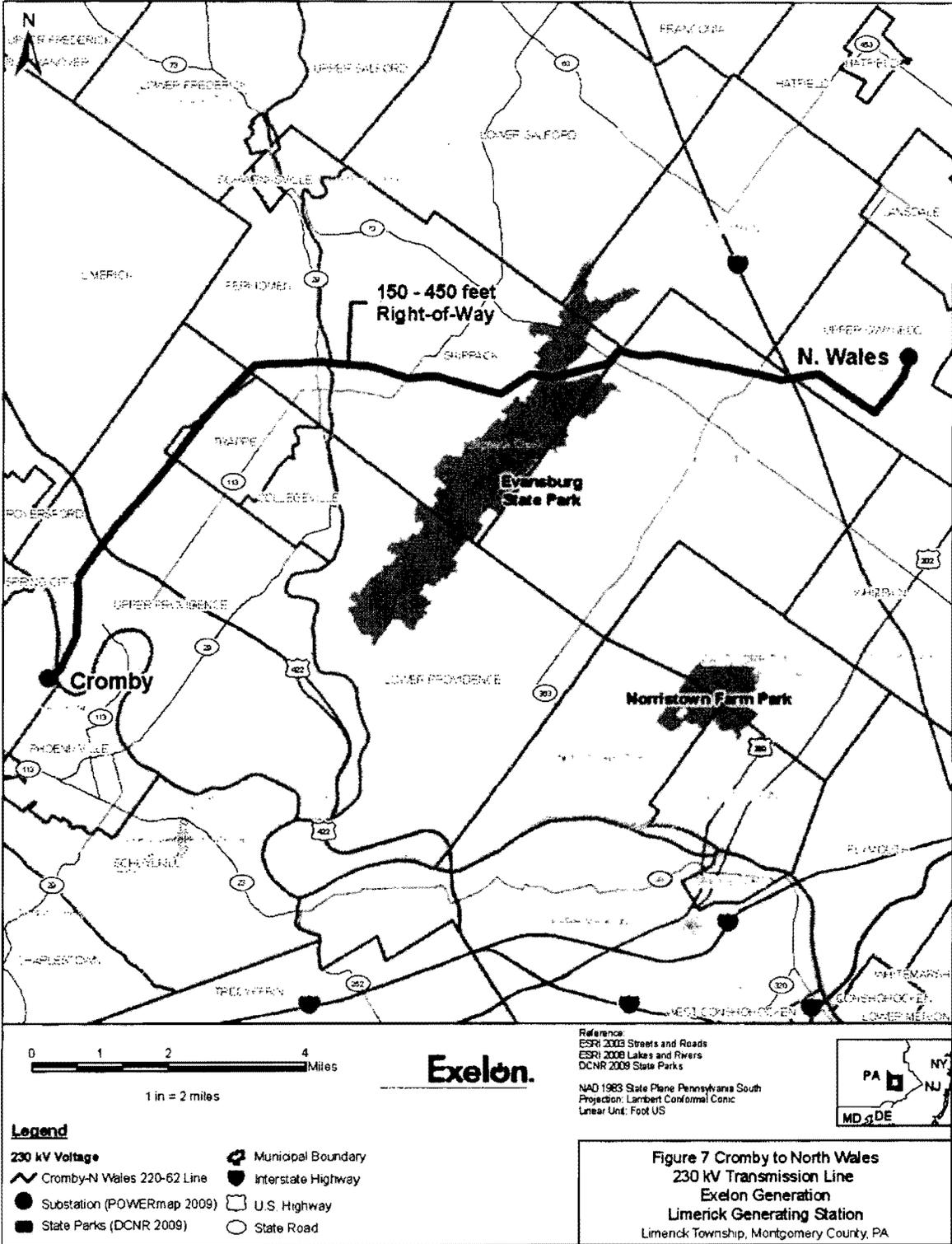


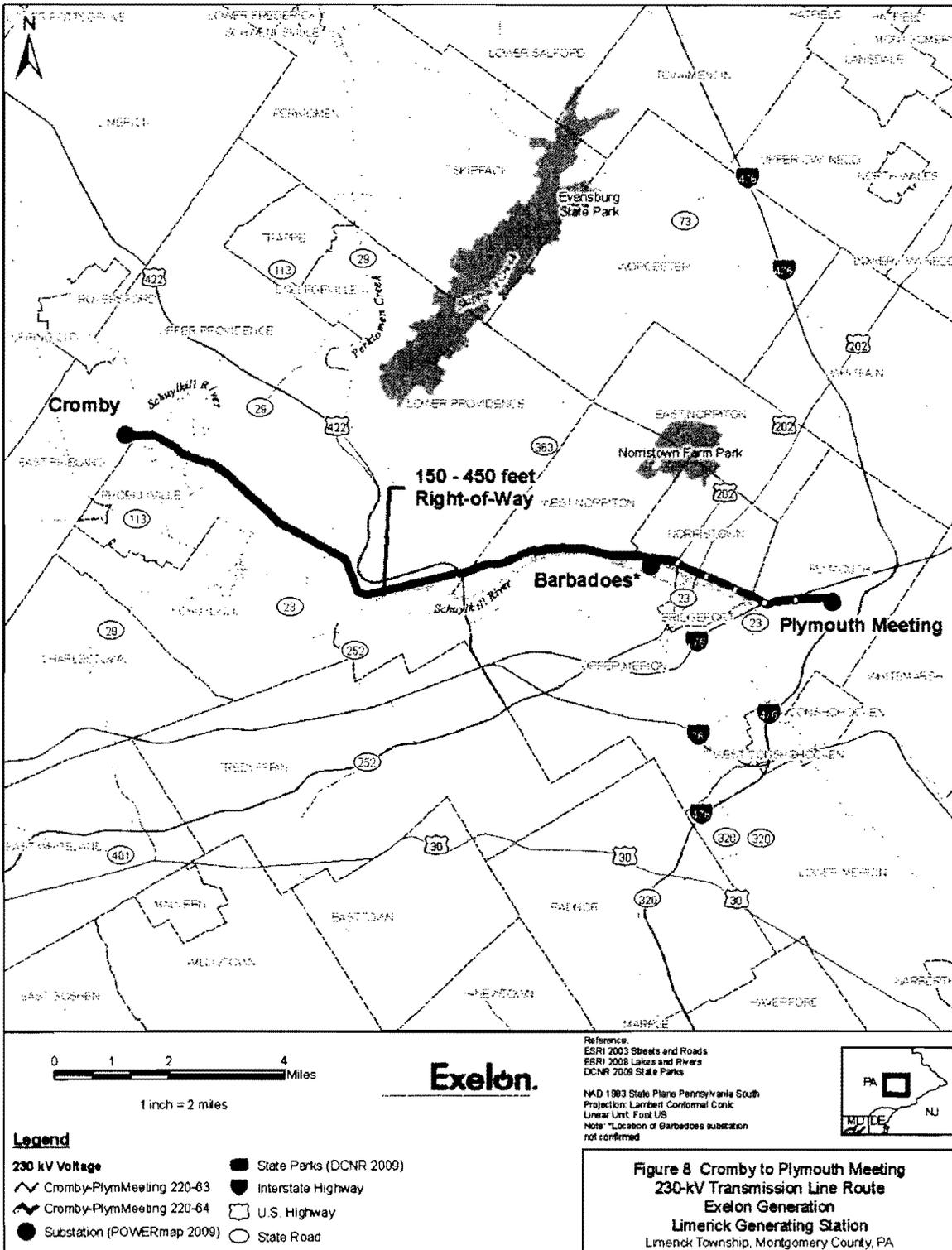
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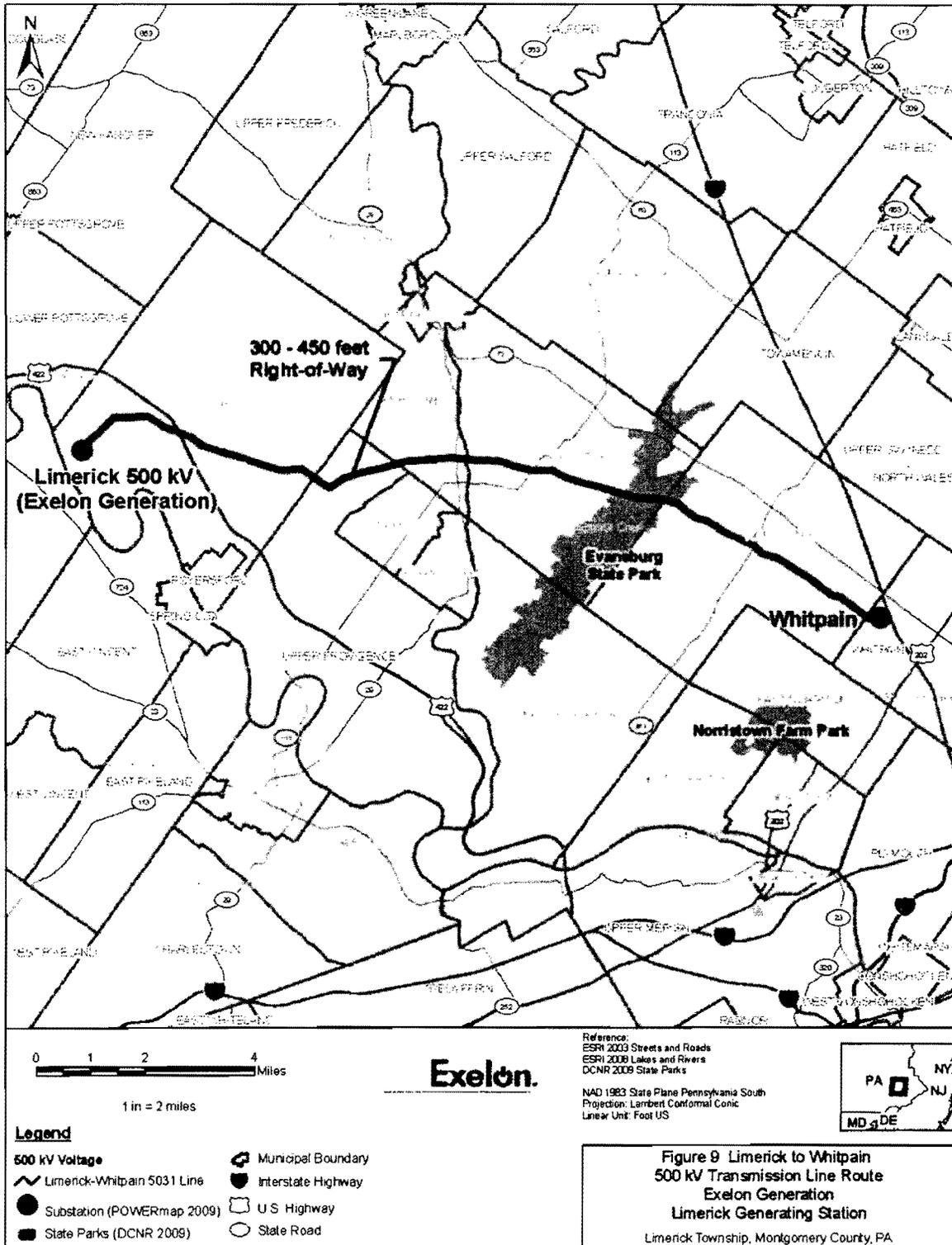
 Property Boundary

**Figure 5 Bedminster
Water Processing Facility Property
Exelon Generation
Limerick Generating Station
Limerick Township, Montgomery County, PA**











established 1866

Pennsylvania Fish & Boat Commission

Division of Environmental Services
Natural Diversity Section
450 Robinson Lane
Bellefonte, PA 16823-9620
(814) 359-5237 Fax: (814) 359-5175

February 11, 2011

IN REPLY REFER TO
SIR # 35712

NANCY RANEK
EXELON NUCLEAR
200 EXELON WAY
KSA/2-E
KENNETT SQUARE, PA 19348

**RE: Species Impact Review (SIR) - Rare, Candidate, Threatened and Endangered Species
RENEWAL OF OPERATING LICENSES FOR LIMERICK GENERATING
STATION UNITS 1 & 2
MONTGOMERY AND CHESTER Counties, Pennsylvania**

Dear Ms. RANEK:

The staff of the Natural Diversity Section has examined the map accompanying your recent correspondence which shows the location of the above referenced project. Based on records maintained in the Pennsylvania Natural Diversity Inventory (PNDI) database and Pennsylvania Fish & Boat Commission files, the eastern redbelly turtle (*Pseudemys rubriventris*, PA threatened) and globally rare amphipod and/or isopod species are known from the vicinity of the project sites.

The eastern redbelly turtle is one of Pennsylvania's largest native aquatic turtles. This turtle species is known to inhabit relatively large, deep streams, rivers, ponds, lakes and marshes with permanent water and ample basking sites. Redbelly turtles are restricted to the southcentral and southeastern regions of the Commonwealth. The existence of this turtle species is threatened by habitat destruction, poor water quality and competition with aggressive non-native turtle species that share its range and habitat (e.g., red-eared slider, *Trachemys scripta elegans*).

Isopods and amphipods are small invertebrate species (crustaceans) that inhabit coldwater springs, seeps, on hillsides and in caves. Although these species are not listed as candidate, threatened, or endangered, they may be listed in the not so distant future. These rare invertebrate species are threatened by habitat destruction and poor water quality.

Given that the proposed license renewal will involve no new construction, earth disturbance, or changes to existing land uses, I do not anticipate the proposed activity to have any significant adverse impacts to the species of concern under PFBC jurisdiction.

Note that this office performed no field inspection of the project area. Consequently, comments in this letter are not meant to address other issues or concerns that might arise concerning matters under Pennsylvania Fish and Boat Commission jurisdiction or that of other authorities. If you have any questions regarding this response, please contact Kathy Gipe of my staff (814-359-5186) and **refer to the SIR number at the top of this letter**. Thank you for your cooperation and attention to this matter

Our Mission:

www.fishandboat.com

To protect, conserve and enhance the Commonwealth's aquatic resources and provide fishing and boating opportunities.

SIR #35712
Ranek
Page 2

of endangered species conservation and habitat protection.

Sincerely,

A handwritten signature in black ink, appearing to read "Christopher A. Urban". The signature is written in a cursive style with a large initial "C".

Christopher A. Urban, Chief
Natural Diversity Section

CAU/KDG/mr

M. Roberts

- 4 -

The NRC staff plans to hold two public license renewal overview and environmental scoping meetings on September 22, 2011, in the area of Limerick. The first session will be held in the afternoon and an identical session will be held later that evening. Both sessions will be held at the Sunnybrook Ballroom, 50 Sunnybrook Road, Pottstown, PA 19464. The afternoon session will be from 2:00 p.m. until 4:00 p.m. and the evening session will be from 7:00 p.m. until 9:00 p.m. In addition, the NRC plans to hold a one hour Open House prior to each meeting to answer public questions. You and your staff are invited to attend the public meetings and Open House. Your office will receive a copy of the draft SEIS along with a request for comments. The anticipated publication date for the draft SEIS is August 2012.

The Limerick license renewal application is available on the internet at <http://www.nrc.gov/reactors/operating/licensing/renewal/applications/limerick.html>. If you have any questions or require additional information, please contact Mrs. Lisa Regner, License Renewal Project Manager, by phone at 301-415-1906 or by email at Lisa.Regner@nrc.gov.

Sincerely,

/RA/

David J. Wrona, Chief
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-352 and 50-353

Enclosures:
As stated

cc w/encls: Listserv

DISTRIBUTION: See next page

ADAM Accession Nos.: ML11258A248 (Pkg) ML11224A266 (Ltr) ML11230B335 (Encls 1-5)
ML11243A096 (Encls. 6-7) ML11249A019 (Encl) *concurring via email

OFFICE	PM:DLR:RPB2	LA:DLR*	BC:DLR:RPB2
NAME	LRegner	IKing	DWrona
DATE	9/1/11	8/18/11	9/8/11

OFFICIAL RECORD COPY

Letter to: M. Roberts from D. Wrona, dated September 8, 2011

SUBJECT: REQUEST FOR LIST OF FEDERAL PROTECTED SPECIES WITHIN THE
AREA UNDER EVALUATION FOR THE LIMERICK GENERATING STATION,
UNITS 1 AND 2, LICENSE RENEWAL APPLICATION REVIEW

HARD COPY

L Regner

E-MAIL:

PUBLIC

RidsNrrDir Resource

RidsNrrDirRpb1 Resource

RidsNrrDirRpb2 Resource

RidsNrrDirRerb Resource

RidsNrrDirRarb Resource

RidsNrrDirRasb Resouce

DLR_RPOB Resource

RidsOpaMail

RidsOgcMailCenter

LRegner

RKuntz

PBamford

MSmith, OGC

EDiPaolo, RI

NSieller, RI

NMcNamara, RI

DScrenci, RI

NSheehan, RI